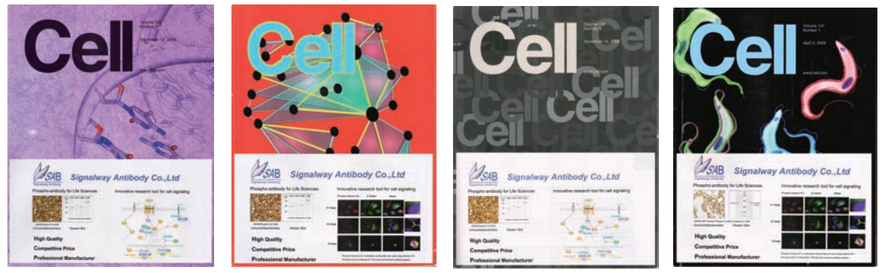
Signalway Antibody

CATALOG

2007-2008年在国际著名期刊 Cell 上推广SAB品牌



2019

SINCE 2003

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Signalway Antibody

2008~2019参展国际国内各大展会

AACR

ascb an international forum for cell biology™

BIO International Convention

NEUROSCIENCE 2019

CSCB 中国细胞生物学学会 CHINESE SOCIETY FOR CELL BIOLOGY

IUIS 2019 BEIJING 17th International Congress of Immunology October 19–23, 2019 | Beijing, China

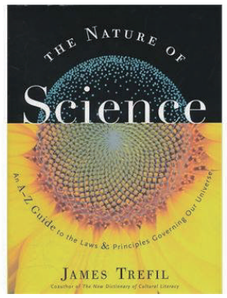
中国生物化学与分子生物学会 The Chinese Society of Biochemistry and Molecular Biology

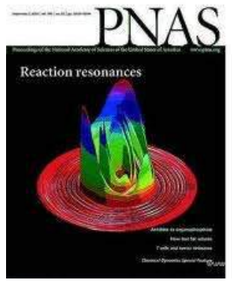
NIH

目录
CONTENTS

16年专业磷酸化抗体生产经验

Signalway Antibody（SAB）拥有16年的抗体试剂研发和生产经验，目前已有3万多种科研抗体产品，包括近2,000种特色磷酸化、甲基/乙酰化的修饰抗体、1,500多种单克隆抗体，18,000多种总蛋白抗体、以及常用的标签抗体和二抗抗体，产品广泛应用于细胞信号转导、肿瘤研究、神经科学、表观遗传学等生命科学研究领域。





产品被大量发表在 Cell，Nature，Science，PNAS等顶级刊物上，截至目前，引用SAB产品的SCI学术论文已达数千篇。

优质引用文献截选

Glutathione S-transferases P1 protects breast cancer cell from adriamycin-induced cell death through promoting autophagy. In **Cell Death Differ** on 2019 Jan 25 by Dong X, Yang Y et al.. PMID: 30683915

The protein kinase activity of fructokinase A specifies the antioxidant responses of tumor cells by phosphorylating p62. In **Science Advances** on 2019 Apr by Xu D, et al.. PMID: 31032410

O-GlcNAcylation of fumarase maintains tumour growth under glucose deficiency. In **Nature Cell Biology** on 2017 Jul By Wang T, Yu Q et al.. PMID: 28628081

Identification of the kinase STK25 as an upstream activator of LATS signaling. In **Nature Communications** on 2019 Apr 4 by Lim S, Hermance N et al.. PMID: 30948712

Pharmacologic ATF6 activation confers global protection in widespread disease models by reprograming cellular proteostasis. In **Nature Communications** on 2019 Jan 14 by Blackwood EA, Azizi K et al.. PMID: 30643122

Force-dependent allostery of the α-catenin actin-binding domain controls adherens junction dynamics and functions. In **Nature Communications** on 2018 Nov by Ishiyama N, Sarpal et al.. PMID: 30504777

Targeting Tyro3 ameliorates a model of PGRN-mutant FTLD-TDP via tau-mediated synaptic pathology. In **Nature Communications** on 2018 Jan 30 by Fujita K, Chen X et al.. PMID: 29382817

Inhibition of excessive autophagy and mitophagy mediates neuroprotective effects of URB597 against chronic cerebral hypoperfusion. In **Cell Death Dis** on 2018 Jun 28 by Su SH, Wu YF et al..PMID: 29955058

UBIAD1 suppresses the proliferation of bladder carcinoma cells by regulating H-Ras intracellular trafficking via interaction with the C-terminal domain of H-Ras. In **Cell Death Dis** on 2018 Dec 5 by Xu Z, Duan F et al..PMID:30518913

Periostin secreted by cancer-associated fibroblasts promotes cancer stemness in head and neck cancer by activating protein tyrosine kinase 7. In **Cell Death Dis** on 2018 Oct 22 by Yu B, Wu K et al..PMID:30348980

Carbon monoxide-induced TFEB nuclear translocation enhances mitophagy/mitochondrial biogenesis in hepatocytes and ameliorates inflammatory liver injury. In **Cell Death Dis** on 2018 Oct 17 by Kim HJ, Joe Y et al..PMID:30333475

IER family proteins are regulators of protein phosphatase PP2A and modulate the phosphorylation status of CDC25A. In **Cell Signal** on 2019 Mar by Ueda T, Kohama Y et al.. PMID: 30599213

全球独家开发磷酸化抗体引用文献截选

New Role for PKM2 Discovered in Cancer Development

1. PKM2 dephosphorylation by Cdc25A promotes the Warburg effect and tumorigenesis

PKM2 dephosphorylation by Cdc25A promotes the Warburg effect and tumorigenesis. In **Nat Commun** on 2016 Aug 3 by Liang J, Cao R , PMID: 27485204

Cited Products

PKM2(phospho-Ser37) Antibody 11456 | PKM2 Antibody 21578 | cdc25C(Ab-216) Antibody 21145

2. EGFR phosphorylates FAM129B to promote Ras activation

EGFR phosphorylates FAM129B to promote Ras activation. In **Proc Natl Acad Sci U S A** on 2016 Jan 19 by Ji H, Lee JH, PMID: 26721396

Cited Products

PKM2(phospho-Ser37) Antibody 11456 | PKM2 Antibody 21578

3. PKM2 Regulates Chromosome Segregation and Mitosis Progression of Tumor Cells

Yuhui Jiang, Xinjian Li, Weiwei Yang, David H. Hawke, Yanhua Zheng, Yan Xia, Kenneth Aldape, Chongyang Wei, Fang Guo, Yan Chen, Zhimin Lu **Molecular Cell** (2014), http://dx.doi.org/10.1016/j.molcel.2013.11.001 PMID: 24316223

Cited Products

Bub3 (Phospho-Tyr207) Antibody 11586 | Bub3 Antibody 24534 | PKM1 Antibody 21577
PKM2 Antibody 21578 | Histone H3.1(Phospho-Ser10) Antibody 11184

磷酸化抗体四大研究领域

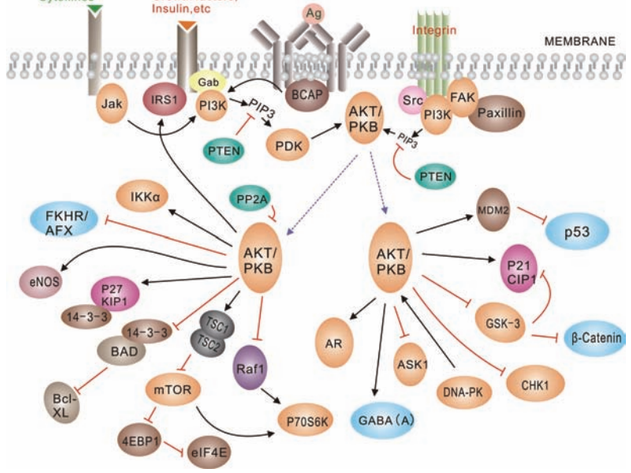
信号转导研究 | 癌症研究 | 神经科学研究 | 干细胞研究

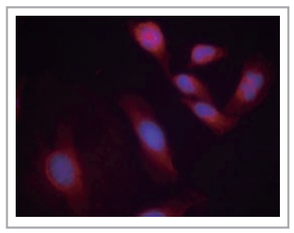
信号转导研究

细胞信号转导是指细胞对细胞内外刺激信号作出反应应答，从而产生一系列生理效应的过程。细胞内刺激信号有一系列的生化反应和蛋白质相互作用, 如磷酸化位点引起的各种蛋白质特异性的修饰, 激活蛋白激酶的活性, 从而激活各种细胞信号转导途径, 直到细胞生理反应对所需的基因表达和形成各种生物效应。细胞信号转导涉及生命过程的各个方面, 包括生长、分化、发育、增殖、凋亡、迁移等, 这对维持细胞功能和机体生存至关重要。因此, 信号转导障碍会导致身体功能失调、疾病甚至死亡, 因此对细胞信号转导机制和途径的了解已成为药物创新、疾病预防和治疗的关键。

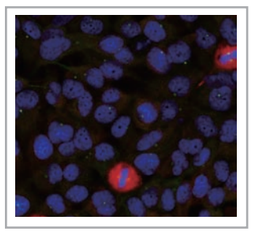
相关通路

- ◆Akt Pathway
- ◆Apoptosis Pathway
- ◆Cell Cycle Regulation
- ◆Channel Pathway
- ◆Chromatin/Transcription Regulation
- ◆Cytoskeleton/Adhesion
- ◆DNA Damage/Repair
- ◆Immune System Regulation
- ◆Insulin/Glucose Metabolism
- ◆Jak/Stat Pathway
- ◆Kinases/Phosphatases
- ◆MAPK Pathway
- ◆NF-kappa B Pathway
- ◆RTKs/Adaptors
- ◆Stem Cell Regulation
- ◆TGFb/smads Pathway
- ◆Translation Regulation
- ◆Wnt/Notch/Hedgehog Pathway

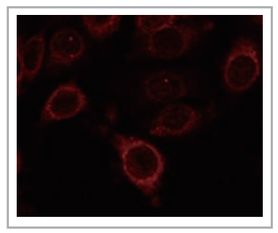




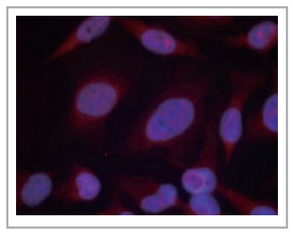
NFkB-p65(Phospho-Ser536)
Antibody 11014



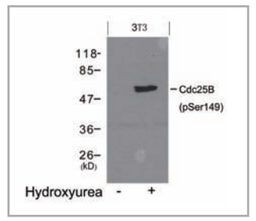
eIF4G(Ab-1231) Antibody
21514



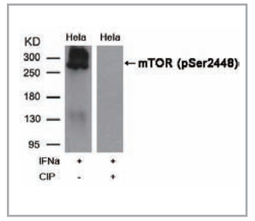
mTOR(Phospho-Ser2448)
Antibody 11221



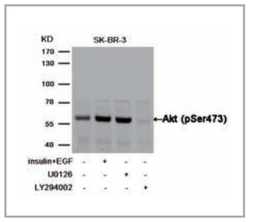
NK1/JNK2/JNK3(phospho-Thr183/Tyr185)
Antibody 11504



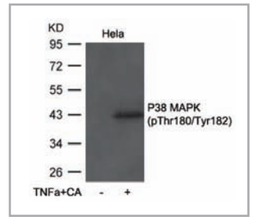
Cdc25B(Phospho-Ser149)
Antibody 11553



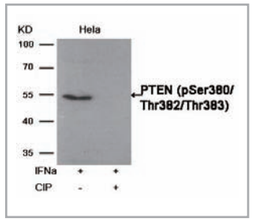
mTOR(Phospho-Ser2448)
Antibody 11221



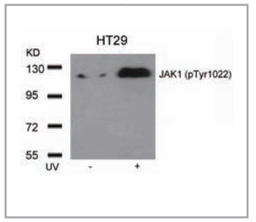
Akt(Phospho-Ser473) Antibody
11054



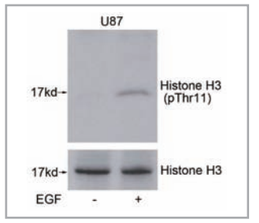
P38 MAPK(Phospho-Thr180/Tyr182)
Antibody 11581



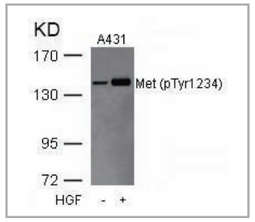
PTEN(Phospho-Ser380/Thr382/Thr383)
Antibody 11056



JAK1(Phospho-Tyr1022)
Antibody 11149



Histone H3(Phospho-Thr11)
Antibody 11577



Met(Phospho-Tyr1234)
Antibody 11227

Cat.	Product Name	Source	Reactivity	Application
11233	eIF4E(Phospho-Ser209) Antibody	Rabbit Polyclonal	Hu	WB IHC IF
11227	Met(Phospho-Tyr1234) Antibody	Rabbit Polyclonal	Hu Ms Rt	WB
11221	mTOR(Phospho-Ser2448) Antibody	Rabbit Polyclonal	Hu	WB IHC IF
11581	P38 MAPK(Phospho-Thr180/Tyr182) antibody	Rabbit Polyclonal	Hu Ms Rt	WB
11508	PI3 Kinase p85/p55 (phospho-Tyr467/199)Antibody	Rabbit Polyclonal	Hu Ms Rt	WB
11056	PTEN(Phospho-Ser380/Thr382/Thr383) Antibody	Rabbit Polyclonal	Hu Ms Rt	WB IHC IF
11156	eNOS(Phospho-Ser1177) Antibody	Rabbit Polyclonal	Hu Ms Rt	WB IHC
11129	IKK a(Phospho-Thr23) Antibody	Rabbit Polyclonal	Hu Ms Rt	WB IHC

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Rhein from Rheum rhabarbarum Inhibits Hydrogen-Peroxide-Induced Oxidative Stress in Intestinal Epithelial Cells Partly through PI3K/Akt-Mediated Nrf2/HO-1 Pathways. In **J Agric Food Chem** on 2019 Mar 6 by Zhuang S, Yu R, et al.. PMID: 30779558

miR-141-5p regulate ATF2 via effecting MAPK1/ERK2 signaling to promote preeclampsia. In **Biomed Pharmacother** on 2019 May 7 by Wang Y1, Cheng K et al.. PMID: 31075732

Ivabradine improved left ventricular function and pressure overload-induced cardiomyocyte apoptosis in a transverse aortic constriction mouse model. In **Mol Cell Biochem** on 2019 Jan by Yu Y, Hu Z, et al.. PMID:29790114

Advanced Glycation End Products Stimulate Angiotensinogen Production in Renal Proximal Tubular Cells. In **Am J Med Sci** on 2019 Jan by Garagliano JM, Katsurada A, et al.. PMID:30466736

Immunohistochemical assessment of growth factor signaling molecules: MAPK, Akt, and STAT3 pathways in oral epithelial precursor lesions and squamous cell carcinoma. In **Odontology** on 2019 May 6 by Tashiro K, Oikawa M, et al.. PMID: 31062130

XPC inhibition rescues cisplatin resistance via the Akt/mTOR signaling pathway in A549/DDP lung adenocarcinoma cells. In **Oncol Rep** on 2019 Mar by Teng X, Fan XF, et al.. PMID:30628719

癌症研究

癌症是一大类肿瘤的统称。癌细胞的特点是无限制、无止境地增生, 使患者体内的营养物质被大量消耗。同时，癌细胞不仅侵入周围的正常组织，而且还局部侵入，甚至通过全身的血液或淋巴循环系统，转移到全身各处生长繁殖。恶性肿瘤的形成往往涉及多个基因的改变, 与原癌基因、抑癌基因突变的逐渐积累有关。正常细胞在机体的精确调控过程中经历生长、分裂、分化和凋亡，但有些细胞在致癌因素的作用下，引起癌基因和抑癌基因的突变，细胞的生长和分裂变得失控，恶性细胞不断分裂增殖即癌细胞。癌基因、肿瘤抑制基因的发现，细胞信号通路的阐明等都极大地丰富了对细胞癌变机制的认识。通过对癌基因产物蛋白功能的分析，发现许多蛋白质位于正常细胞信号通路的不同部位，如生长因子、受体、G蛋白、胞质激酶、核转录因子等，在促进细胞增殖中起着重要作用。癌基因激活途径多种多样，包括蛋白活性增强，使细胞过度增殖形成肿瘤。肿瘤抑制基因的产物能抑制细胞的生长，促进细胞分化和抑制细胞转移, 因此起到负调节作用。肿瘤抑制基因的丢失、突变或功能丧失, 都会使癌基因和肿瘤激活。此外，一些细胞凋亡的癌基因与一些肿瘤抑制基因直接相关，是重要的细胞周期调控因素。

相关通路

- ◆Akt Pathway
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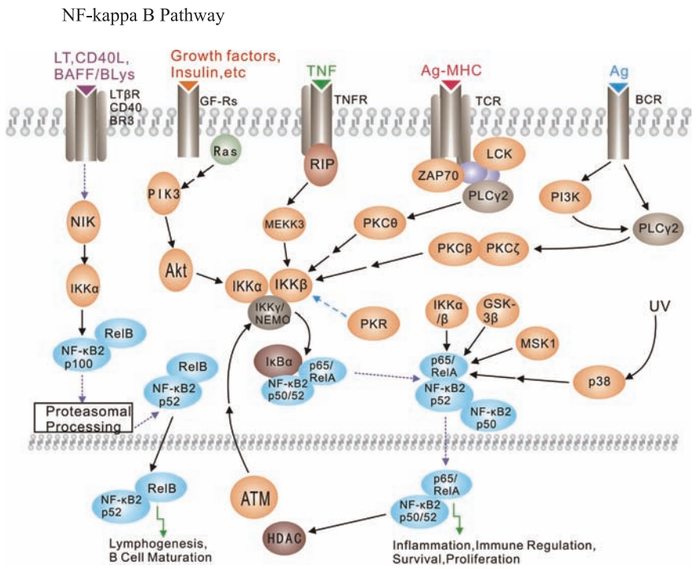
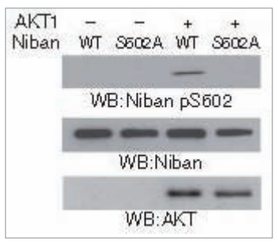
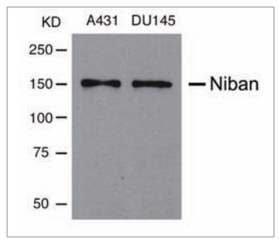
- ◆Insulin/Glucose Metabolism
- ◆Jak/Stat Pathway
- ◆Kinases/Phosphatases
- ◆MAPK Pathway
- ◆NF-kappa B Pathway
- ◆RTKs/Adaptors
- ◆Stem Cell Regulation
- ◆TGFb/smads Pathway
- ◆Translation Regulation
- ◆Wnt/Notch/Hedgehog Pathway

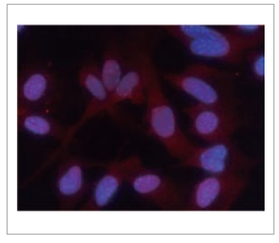




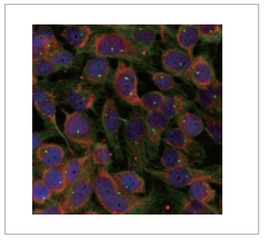
Niban(Phospho-Ser602) Antibody 11578



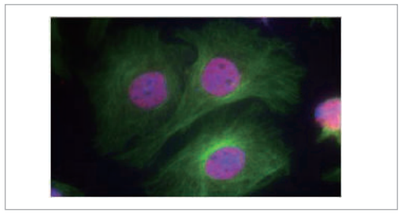
Niban Antibody 21401



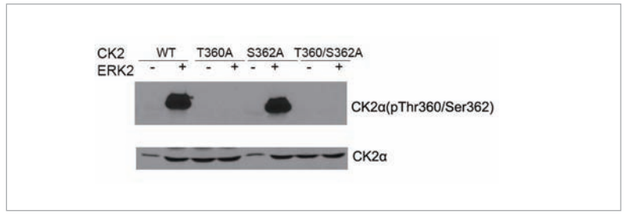
PKM2(phospho-Ser37) Antibody 11456



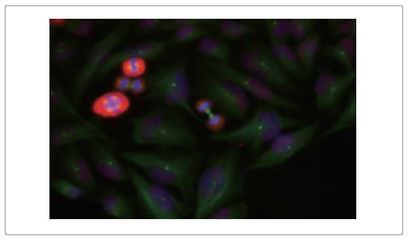
Niban-like protein(Ab-712) Antibody 21332



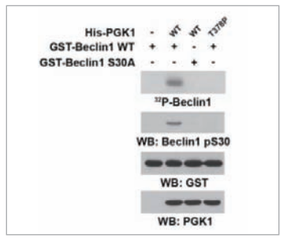
p53(Phospho-Ser15) Antibody11094



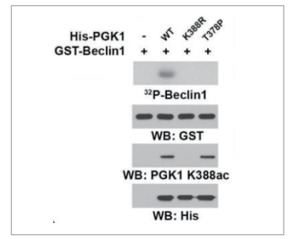
CK2a Antibody 21572



c-Jun(Phospho-Thr239) Antibody 11024



Beclin1 (Phospho-Ser30) Antibody 11600



PGK1 (Acetyl-Lys388) Antibody 11599

Cat.	Product Name	Source	Reactivity	Application
11054	Akt(Phospho-Ser473) Antibody	Rabbit Polyclonal	Hu Ms Rt	WB IHC
11024	c-Jun(Phospho-Thr239) Antibody	Rabbit Polyclonal	Hu	WB IHC IF
11122	ATM(Phospho-Ser1981) Antibody	Rabbit Polyclonal	Hu	WB IHC
11094	p53(Phospho-Ser15) Antibody	Rabbit Polyclonal	Hu	WB IHC IF
11600	Beclin1 (Phospho-Ser30) Antibody	Rabbit Polyclonal	Hu Ms Rt	WB IHC IP
11288	BIM(Phospho-Ser69) Antibody	Rabbit Polyclonal	Hu Ms Rt	IHC IF

引用文献

Glutathione S-transferases P1 protects breast cancer cell from adriamycin-induced cell death through promoting autophagy. In **Cell Death Differ** on 2019 Jan 25 by Dong X, Yang Y et al.. PMID: 30683915

IER family proteins are regulators of protein phosphatase PP2A and modulate the phosphorylation status of CDC25A. In **Cell Signal** on 2019 Mar by Ueda T, Kohama Y et al.. PMID: 30599213

Cadmium-induced ER stress and inflammation are mediated through C/EBP-DDIT3 signaling in human bronchial epithelial cells.In **Exp Mol Med** on 2017 Sep by Kim J, Song H et al..PMID:28860664

Phosphoglycerate Kinase 1 Phosphorylates Beclin1 to Induce Autophagy. In **Mol Cell** on 2017 Mar 2 by Qian X, Li X et al.. PMID: 28238651

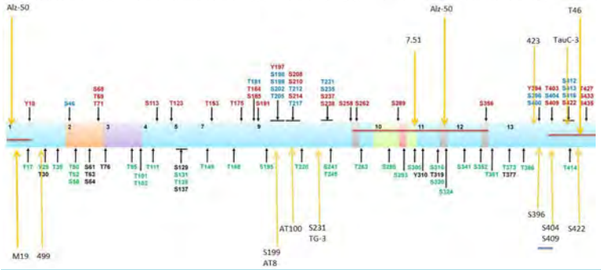
COPI-Mediated Nuclear Translocation of EGFRvIII Promotes STAT3 Phosphorylation and PKM2 Nuclear Localization. In **Int J Biol Sci** on 2019 Jan 1 by Zhang M, Sun H et al.. PMID:30662352

神经科学研究

神经科学是专门研究神经系统结构、功能、发展、遗传学、生物化学、生理学、药理学和病理学的科学。神经系统由神经元和胶质细胞组成。大脑中的神经元多达1000亿个，是一种高度特异化的细胞，是神经系统的基本结构和功能单元，能对刺激和传导功能产生兴奋。神经元由细胞体和突起两部分组成。突起按形状和功能分为树突和轴突。神经元的主要功能是通过神经元之间相互接触的部分在细胞间传递信息，称为突触。突触分为电突触和化学突触，其中化学突触是常见的。电突触通过间隙连接直接完成细胞信息的传递，而化学突触的传递必须依靠神经递质或神经肽在突触后膜中的作用来完成细胞间的信息传递。

tau蛋白

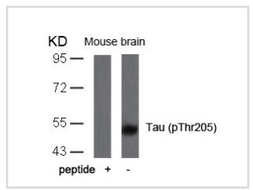
微管相关蛋白tau在阿尔茨海默病（AD）和其他tau病变中经历几个翻译后修饰和聚集成成对螺旋丝（PHfs）。这些tau修饰包括高磷酸化、糖基化、泛素化、糖基化、多氨基化、硝化和蛋白水解。高磷酸化和糖基化是AD神经原纤维变性的分子发病机制。



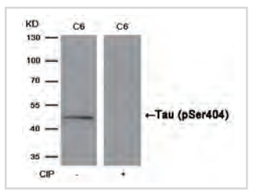
tau有多种氨基酸被磷酸化，分别在AD脑（棕色），正常脑（绿色）和同时在正常脑和AD脑（蓝色）观察到。—部分推定的磷酸化位点尚未在体外或体内证实（黑色）。

Tau antibodies

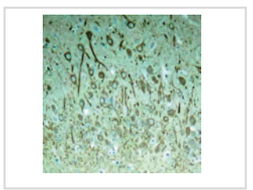
Cat.	Product Name	Source	Reactivity	Application
11102	Tau(Phospho-Ser396) Antibody	Rabbit Polyclonal	Hu Ms Rt	WB IHC
11107	Tau(Phospho-Thr181) Antibody	Rabbit Polyclonal	Hu Ms Rt	WB IHC
11108	Tau(Phospho-Thr205) Antibody	Rabbit Polyclonal	Hu Ms Rt	WB IHC
11110	Tau(Phospho-Thr231) Antibody	Rabbit Polyclonal	Hu Ms Rt	WB IHC
11111	Tau(Phospho-Ser262) Antibody	Rabbit Polyclonal	Hu Ms Rt	WB IHC IF
11112	Tau(Phospho-Ser404) Antibody	Rabbit Polyclonal	Hu Ms Rt	WB IHC IF



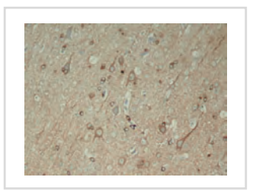
Tau(Phospho-Thr205)
Antibody 11108



Tau(Phospho-Ser404)
Antibody 11112



Tau(Phospho-Thr231)
Antibody 11110



Tau(Phospho-Ser396)
Antibody 11102

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Extrasynaptic NMDA receptor-induced tau overexpression mediates neuronal death through suppressing survival signaling ERK phosphorylation.In **Cell Death Dis** on 2016 Nov 3 by Sun XY, Tuo QZ et al..PMID: 27809304

Liraglutide Ameliorates Hyperhomocysteinemia-Induced Alzheimer-Like Pathology and Memory Deficits in Rats via Multi-molecular Targeting. In **Neurosci Bull** on 2019 Jan 10 by Zhang Y1, Xie JZ et al.. PMID: 30632006

Complement C3a receptor antagonist attenuates tau hyperphosphorylation via glycogen synthase kinase 3β signaling pathways. In **Eur J Pharmacol** on 2019 May 5 by Hu J1, Yang Y et al.. PMID: 30771350

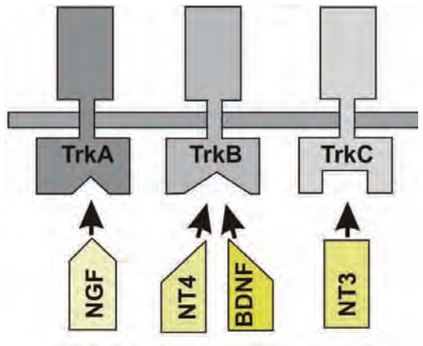
Tau-Induced Ca2+/Calmodulin-Dependent Protein Kinase-IV Activation Aggravates Nuclear Tau Hyperphosphorylation. In **Neurosci Bull** on 2018 Apr by Wei YP1, Ye JW et al..PMID: 28646348

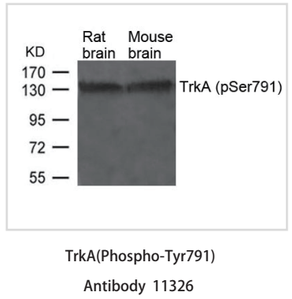
CIP2A Causes Tau/APP Phosphorylation, Synaptopathy, and Memory Deficits in Alzheimer's Disease.In **Cell Rep** on 2018 Jul 17 by Shentu YP1, Huo Y et al.. PMID: 30021167

Physiological clearance of tau in the periphery and its therapeutic potential for tauopathies. In **Acta Neuropathol** on 2018 Oct by Wang J, Jin WS et al.. PMID: 30074071

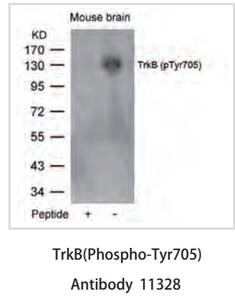
神经营养受体

Trk 受体: Trk 受体酪氨酸激酶的家族由 TrkA、TrkB 和 TrkC 组成。虽然这些家族成员的序列高度保守, 但它们被不同的神经营养因子激活: TrkA由NGF激活, TrkB 由 BDNF 激活, TrkC 由 NT3 激活。通过这些受体的神经营养因子信号调节许多生理过程, 如细胞存活、增殖、神经发育、轴突和树突的生长和模式。

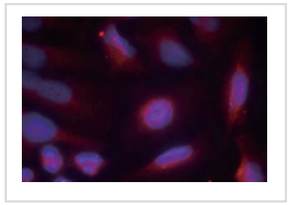




TrkA(Phospho-Tyr791)
Antibody 11326



TrkB(Phospho-Tyr705)
Antibody 11328



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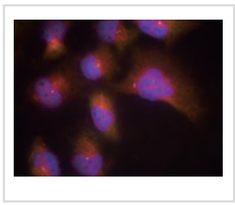
Antibody 11326



TrkB(Phospho-Tyr515)
Antibody 11327

引用文献

Altered Trek-1 Function in Sortilin Deficient Mice Results in Decreased Depressive-Like Behavior. In **Front Pharmacol** on 2018 Aug by Moreno S, Devader CM, et al.. PMID : 30127743

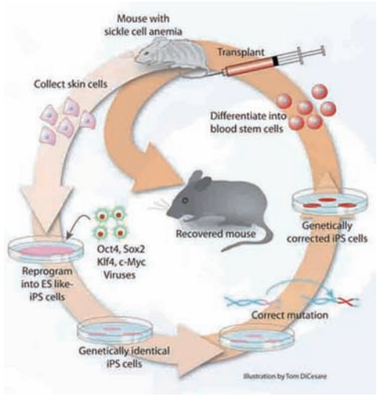
Sex-Dependent Effects of Environmental Enrichment on Spatial Memory and Brain-Derived Neurotrophic Factor (BDNF) Signaling in a Developmental "Two-Hit" Mouse Model Combining BDNF Haploinsufficiency and Chronic Glucocorticoid Stimulation. In **Front Behav Neurosci** on 2018 Oct 9 by Grech AM1, Ratnayake U et al.. PMID: 30356704

Cat.	Product Name	Source	Reactivity	Application
11326	TrkA(Phospho-Tyr791) Antibody	Rabbit Polyclonal	Hu Ms Rt	WB IF
11327	TrkB(Phospho-Tyr515) Antibody	Rabbit Polyclonal	Hu Ms Rt	IF
11328	TrkB(Phospho-Tyr705) Antibody	Rabbit Polyclonal	Hu Ms Rt	WB
21326	TrkA(Ab-791) Antibody21326	Rabbit Polyclonal	Hu	IF
21328	TrkB(Ab-705) Antibody	Rabbit Polyclonal	Hu Ms Rt	WB IF

干细胞研究

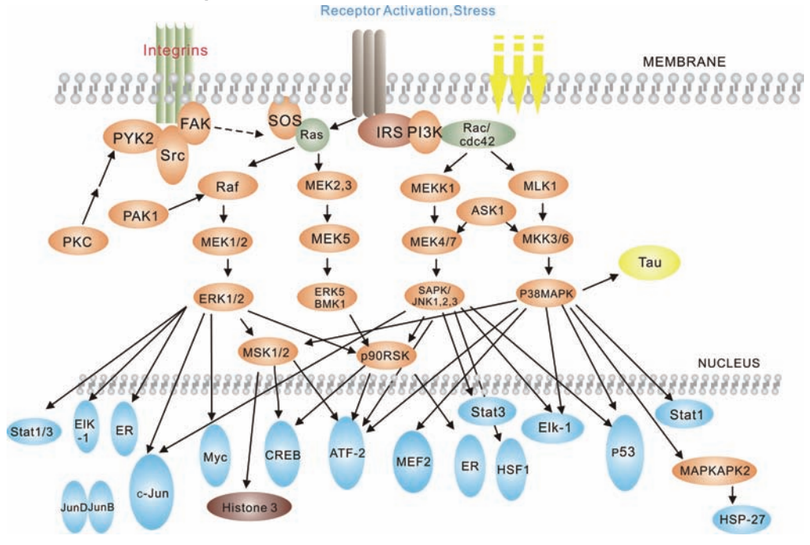
干细胞具有自我更新能力，具有多能性可以分化为多种不同细胞类型。干细胞按发育阶段可分为胚胎干细胞和体细胞干细胞。胚胎干细胞分为胚胎干细胞(ES)和胚胎生殖细胞(EG)。体细胞干细胞存在于多种分化的组织或器官中，包括造血干细胞、间充质干细胞(MSC)、神经干细胞(NSC)等。根据开发潜力, 干细胞分为三类: 全能型干细胞 (TSC)、多能干细胞和单能型干细胞。近年来, 一种新的诱导多能干细胞技术出现了, 将四种Oct3、Sox2、c-Myc 和 Kif4 转录因子基因带到细胞的遗传编码中, 进行重新编码, 并诱导其发生转化为类似胚胎干细胞状态的细胞。干细胞可用于治疗身体损伤、组织和免疫缺陷疾病以及遗传疾病, 具有广阔的发展前景。

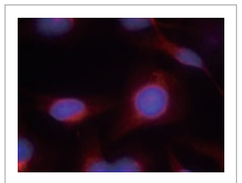
SAB提供不同发育阶段的胚胎干细胞标志物, 富含CD分子抗体和干细胞信号转导通路抗体, 如体细胞干细胞标记物包括: 造血干细胞、间充质干细胞 (MSC)、用于干细胞研究的神经干细胞(NSC)。



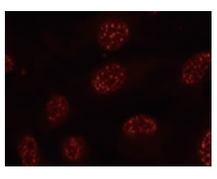
相关通路

MAPK Pathway





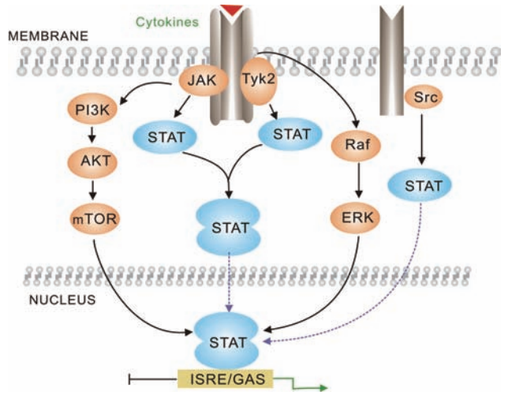
MEK1/MEK2(Ab-217/221) Antibody 21203

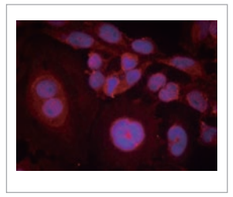


MAPKAPK-2(Phospho-Thr334) Antibody11308

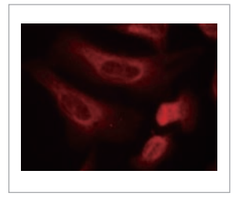
Cat.	Product Name	Source	Reactivity	Application
11006	Raf1(Phospho-Ser259) Antibody	Rabbit Polyclonal	Hu Ms Rt	WB IHC
11204	Raf1(Phospho-Ser338) Antibody	Rabbit Polyclonal	Hu Ms Rt	WB
21006	Raf1(Ab-259) Antibody	Rabbit Polyclonal	Hu Ms Rt	WB IHC
21202	Raf1(Ab-338) Antibody	Rabbit Polyclonal	Hu Ms Rt	WB IHC

Jak/Stat Pathway





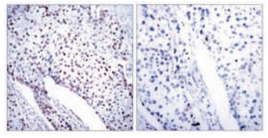
STAT3(Phospho-Ser727) Antibody 11046



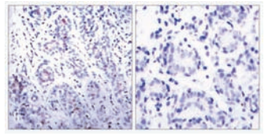
STAT1(Phospho-Ser727) Antibody 11163

Cat.	Product Name	Source	Reactivity	Application
11044	STAT1(Phospho-Tyr701) Antibody	Rabbit Polyclonal	Hu Ms	WB IHC
11045	STAT3(Phospho-Tyr705) Antibody	Rabbit Polyclonal	Hu Ms Rt	WB IHC IF
11046	STAT3(Phospho-Ser727) Antibody	Rabbit Polyclonal	Hu Ms Rt	WB IHC IF
11047	STAT4(Phospho-Tyr693) Antibody	Rabbit Polyclonal	Hu Ms Rt	WB IHC

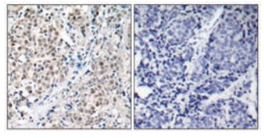
相关干细胞标志物



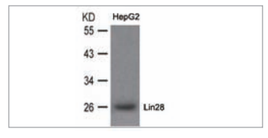
STAT3(Ab-705) Antibody 21045



STAT3(Ab-727) Antibody 21046



Myc(Ab-358) Antibody 21035



Lin28 Antibody 21426

Cat.	Product Name	Source	Reactivity	Application
21424	OCT-4 Antibody	Rabbit Polyclonal	Hu	WB
21425	SOX2 Antibody	Rabbit Polyclonal	Hu Ms Rt	WB
21232	c-Kit(Ab-721) Antibody	Rabbit Polyclonal	Hu	WB
21423	Nanog Antibody	Rabbit Polyclonal	Hu Ms	WB

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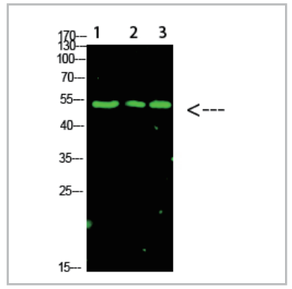
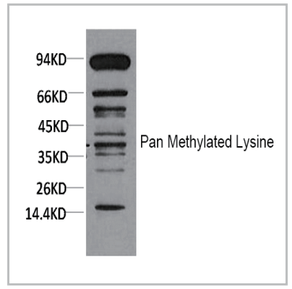
Chronic Inflammation in Response to Injury: Retention of Myeloid Cells in Injured Tissue Is Driven by Myeloid Cell Intrinsic Factors. In **J Invest Dermatol** on 2019 Jan 28 by Torbica T1, Wicks K1 et al..PMID:30703358

Effect of STAT3 decoy oligodeoxynucleotides mediated by ultrasound-targeted microbubbles combined with ultrasound on the growth of squamous cell carcinoma of the esophagus. In **Oncol Lett** on 2019 Feb by Zhang Y1, Zhang M1 et al..PMID:30675281

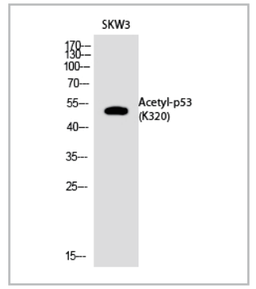
甲基化/乙酰化抗体



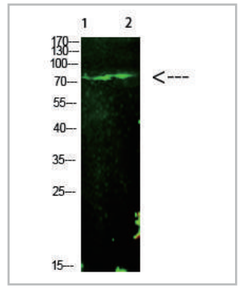
p53 (Acetyl-K120) Polyclonal Antibody HW186



Pan Methylated Lysine Monoclonal Antibody HW099



p53 (Acetyl-Lys320) Polyclonal Antibody HW137

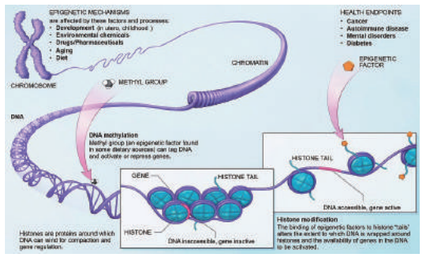


E2F-1 (Acetyl-K125) Polyclonal Antibody HW185

Cat.	Product Name	Source	Reactivity	Application
HW090	Histone H4(Acetyl-Lys5) Rabbit Polyclonal Antibody	Rabbit Polyclonal	Hu Rt Ms	WB
HW144	HMG-1 (Acetyl-Lys12) Polyclonal Antibody	Rabbit Polyclonal	Hu Ms Rt	WB ELISA
HW136	NFκB-p65 (Acetyl-Lys314/Lys315) Polyclonal Antibody	Rabbit Polyclonal	Hu Ms Rt	WB ELISA
HW186	p53 (Acetyl-K120) Polyclonal Antibody	Rabbit Polyclonal	Hu Ms Rt	WB
HW017	Histone H4R3me2a Polyclonal Antibody	Rabbit Polyclonal	Hu Ms Rt	WB IF IP ChIP
HW014	Histone H3R2me2s Polyclonal Antibody	Rabbit Polyclonal	Hu Ms Rt	WB IF IP

表观遗传学

表征遗传学指基因组相关功能改变而不涉及核苷酸序列变化遗传学科。例如DNA和组蛋白修饰，两者均能在不改变DNA序列的前提下调节基因的表达；阻遏蛋白（Repressor）通过结合沉默基因区域从而控制基因的表达。这些变化可能可以通过细胞分裂而得以保留，并且可能持续几代。这些变化都仅是非基因因素导致的生物体基因表现（或“自我表达”）的不同，由于目前尚不清楚组蛋白的化学修饰是否可遗传，有人对于用此术语描述组蛋白化学修饰提出了异议。



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A GYS2/p53 Negative Feedback Loop Restricts Tumor Growth in HBV-Related Hepatocellular Carcinoma. In **Cancer Res** on 2019 Feb 1 by Chen SL, Zhang CZ et al.. PMID:30584071

Arginine methyltransferase inhibitor 1 inhibits gastric cancer by downregulating eIF4E and targeting PRMT5. In **Toxicol Appl Pharmacol** on 2017 Dec by Zhang B, Zhang S et al.. PMID: 28987382

JACALIN-LECTIN LIKE1 Regulates the Nuclear Accumulation of GLYCINE-RICH RNA-BINDING PROTEIN7, Influencing the RNA Processing of FLOWERING LOCUS C Antisense Transcripts and Flowering Time in Arabidopsis. In **Plant Physiol** on 2015 Nov by Xiao J, Li C et al.. PMID: 26392261

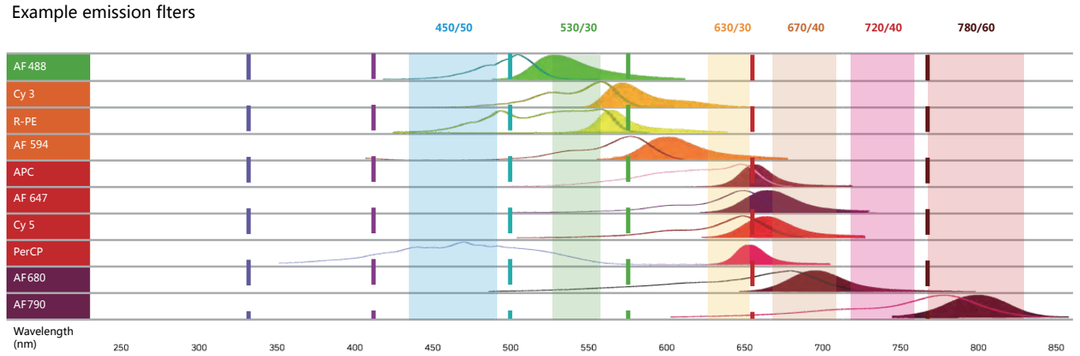
Targeting EZH2 regulates tumor growth and apoptosis through modulating mitochondria dependent cell-death pathway in HNSCC. In **Oncotarget** on 2015 Oct by Zhou X, Ren Y et al.. PMID: 26378043

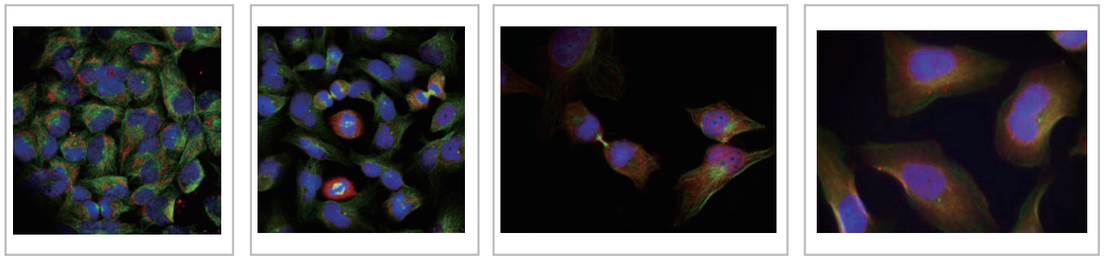
荧光标记一抗 / 二抗

REPORTER MOLECULES - FLUOROPHORES

荧光标记一抗

Example emission filters





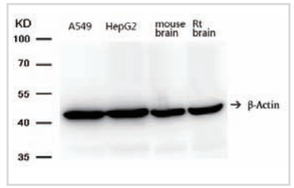
荧光标记二抗

Cat.	Product Name	Excitation/Emission	Application
L3036	Goat Anti-Mouse IgG Secondary Antibody AF488 Conjugated	Excitation: 493nm Emission: 519nm	1:100 - 1:800
L3016	Goat Anti-Rabbit IgG Secondary Antibody AF488 Conjugated	Excitation: 493nm Emission: 519nm	1:100 - 1:800
L30311	Goat Anti-Mouse IgG Secondary Antibody Cy3 Conjugated	Excitation: 550nm Emission: 570nm	1:100 - 1:800
L30111	Goat Anti-Rabbit IgG Secondary Antibody Cy3 Conjugated	Excitation: 550nm Emission: 570nm	1:100 - 1:800
L3037	Goat Anti-Mouse IgG Secondary Antibody AF594 Conjugated	Excitation: 591nm Emission: 614nm	1:100 - 1:800
L3017	Goat Anti-Rabbit IgG Secondary Antibody AF594 Conjugated	Excitation: 591nm Emission: 614nm	1:100 - 1:800
L30316	Goat Anti-Mouse IgG Secondary Antibody APC Conjugated	Excitation: 650nm Emission: 660nm	1:100 - 1:200
L30116	Goat Anti-Rabbit IgG Secondary Antibody APC Conjugated	Excitation: 650nm Emission: 660nm	1:100 - 1:200
L30316	Goat Anti-Mouse IgG Secondary Antibody APC Conjugated	Excitation: 650nm Emission: 660nm	1:100 - 1:200
L30116	Goat Anti-Rabbit IgG Secondary Antibody APC Conjugated	Excitation: 650nm Emission: 660nm	1:100 - 1:200
L30318	Goat Anti-Mouse IgG Secondary Antibody PerCP Conjugated	Excitation: 488nm Emission: 675nm	1:25-1:100
L30118	Goat Anti-Rabbit IgG Secondary Antibody PerCP Conjugated	Excitation: 488nm Emission: 675nm	1:25-1:100

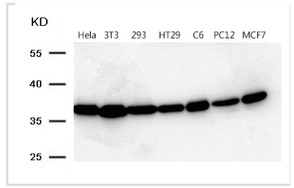
内参抗体

Western Blot 即免疫印迹试验，可以利用 Western Blot 来比较在不同条件下，不同细胞组织中目的蛋白表达量的差异，属于定性，半定量试验。既然有差异性比较，参照物必不可少。Western Blot 试验中的标准（表达量）参照物即内参，有了参照物才能准确地比较目的蛋白表达量的差异。内参一般选用管家基因表达的蛋白，它们在各个组织细胞中表达相对恒定，不会因为外部条件变化而引起表达量的变化。而且内参可以监测整个试验体系是否正常，比如蛋白提取过程，转膜体系，显色体系等。

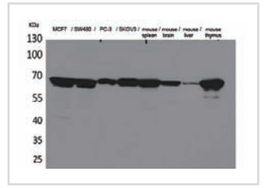
MW(kDa)	Whole cell	Mitochondrial	Nuclear	Membrane
80-130	Vinculin (124kDa)			NaK ATPase（112kDa）
50-80			Lamin B1（66kDa）	
		HSP60（60kDa）		
30-50	Alpha tubulin（55kDa）			
	Beta tubulin（50kDa）			
	Beta actin（43kDa）			
	GAPDH（37kDa）		TBP（38kDA）	
15-30		VDAC1（30kDa）		
			PCNA（29kDa）	
	Cofilin（20kDa）	COX IV（20kDa）		
			Histone H3（15kDa）	



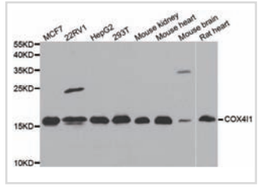
β-Actin Antibody 21338



GAPDH Antibody 21612



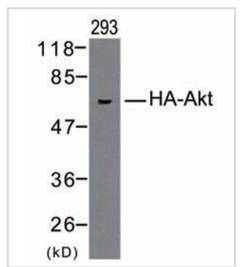
Lamin B1 Polyclonal Antibody 41589



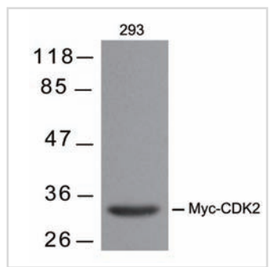
COX4I1 antibody 39011

标签抗体

标签抗体（Tag Antibody）可用于检测和纯化各种商品化表达载体上的标签序列，分析检目的蛋白的表达含量及其功能。其原理是抗原—抗体反应，这些标签抗体可以高度特异地结合对应的标签融合蛋白。常用标签包括：HA、His、Flag、Myc、GST、GFP、V5等。



HA-Tag Rabbit Polyclonal Antibody T501

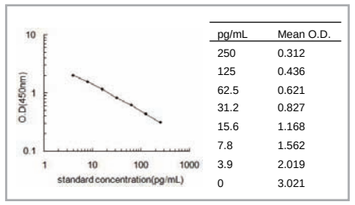


GST-Tag Mouse Monoclonal Antibody T509

Myc-Tag Mouse Monoclonal Antibody T504

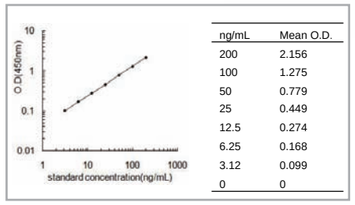
ELISA试剂盒

ELISA即酶联免疫吸附测定法 (Enzyme-Linked Immuno-Sorbent Assay，ELISA)。现在已成为目前分析化学领域中的前沿课题 ，它是一种特殊的试剂分析方法，是在免疫酶技术(immunoenzymatic techniques) 的基础上发展起来的一种新型的免疫测定技术 。公司拥有ELISA试剂盒近两万种，覆盖多种类型。



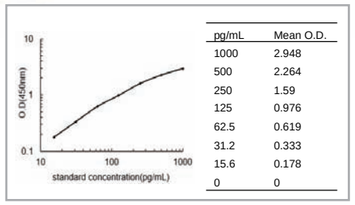
pg/mL	Mean O.D.
250	0.312
125	0.436
62.5	0.621
31.2	0.827
15.6	1.168
7.8	1.562
3.9	2.019
0	3.021

General Testosterone ELISA Kit EK1792



ng/mL	Mean O.D.
200	2.156
100	1.275
50	0.779
25	0.449
12.5	0.274
6.25	0.168
3.12	0.099
0	0

Human Eukaryotic peptide chain release factor subunit 1 ELISA Kit EK2838



pg/mL	Mean O.D.
1000	2.948
500	2.264
250	1.59
125	0.976
62.5	0.619
31.2	0.333
15.6	0.178
0	0

Human 78 kDa glucose-regulated protein ELISA Kit EK3772

引用文献

CYLD deficiency exacerbates lipopolysaccharide (LPS)-induced pyroptosis in astrocytes of mice with sepsis. In **Biochem Biophys Res Commun** on 2019 Jul,by Li L, Shu MQ et al..PMID:31097224

miR-141-5p regulate ATF2 via effecting MAPK1/ERK2 signaling to promote preeclampsia. In **Biomed Pharmacother** on 2019 May 7 by Wang Y, Cheng K et al..PMID: 31075732

EK0181 Chitinase-3-like protein 1 may be a potential biomarker in patients with drug-resistant epilepsy. In **Neurochem Int** on 2019 Mar by Zhang H, Tan JZ et al..PMID: 30584894

Association of Serum Levels of Silent Information Regulator 1 with Persistent Organ Failure in Acute Pancreatitis. In **Dig Dis Sci** on 2019 May 4 by Chen J, Wan J et al..PMID: 31055719

细胞因子

Cat.	Product Name	Target Nam	Sensitivity	Detect Range
EK5337	Human IL-7 ELISA Kit	IL-7	1pg/ml	7.8pg/ml-500pg/ml
EK0502	Mouse IL-1β ELISA kit	IL-1β	7pg/ml	31.25 pg/ml - 2000 pg/ml
EK0497	Mouse TNF-α ELISA KIT	TNF-α	3.9pg/ml	7.8 pg/ml - 500 pg/ml
EK1145	Human Interleukin-10 ELISA Kit	IL-10	7.80pg/ml	15.6pg/ml -1000pg/ml
EK1171	Mouse Interleukin-17A ELISA Kit	IL-17A	7.85pg/ml	15.6 pg/ml -1000 pg/ml
EK1217	Human Interleukin-6 ELISA Kit	IL-6	9.8pg/ml	15.6 pg/ml -1000 pg/ml

肿瘤免疫

Cat.	Product Name	Target Nam	Sensitivity	Detect Range
EK1397	Human Alpha-fetoprotein ELISA Kit	AFP	0.11ng/ml	0.312 ng/mL -20.0 ng/mL
EK2483	Human Protein AMBP ELISA Kit	AMBP	0.078 ng/mL	0.312-20 ng/mL
EK2493	Human Endoglin ELISA Kit	ENG	0.39 ng/mL	0.78-50 ng/mL
EK2692	Human Hemojuvelin ELISA Kit	HFE2	0.22ng/mL	0.78-50 ng/mL
EK2506	Human Alpha-methylacyl-CoA racemase ELISA Kit	AMACR	1ng/mL	1.56-100 ng/mL
EK1393	Human Prostate-specific antigen ELISA Kit	KLK3	0.078 ng/mL	0.156-10 ng/mL
EK1283	Human 5'-nucleotidase ELISA Kit	NT5E	45pg/mL	78-5000 pg/mL
EK2028	Human Adiponectin ELISA Kit	ADIPOQ	0.12ng/mL	0.156-10 ng/ml
EK4768	Human Cadherin-6 ELISA Kit	CDH6	0.076ng/mL	0.156-10 ng/mL
EK1003	Human CD166 antigen ELISA Kit	ALCAM	0.078ng/mL	0.156-10 ng/mL
EK1011	Human Amphiregulin ELISA Kit	AREG	10pg/mL	31.2-2000 pg/mL
EK1017	Human Angiopoietin-1 ELISA Kit	ANGPT1	12pg/mL	46.88-3000 pg/mL
EK1021	Human Angiopoietin-2 ELISA Kit	ANGPT2	0.039ng/mL	0.156-10 ng/mL
EK4266	Human Angiopoietin-related protein 4 ELISA Kit	ANGPTL4	0.12ng/mL	0.312-20 ng/mL

信号转导

Cat.	Product Name	Target Nam	Sensitivity	Detect Range
EK12503	Rat Aggrecan ELISA Kit	AGC	0.131ng/mL	0.312-20ng/mL
EK12512	Human Angiotensin II Receptor 1 ELISA Kit	AGTR1	0.055ng/mL	0.156-10ng/mL
EK12718	Mouse Aquaporin 4 ELISA Kit	AQP4	23.7pg/mL	62.5-4000pg/mL
EK17014	Rat Tumor Necrosis Factor Receptor Superfamily, Member 1B ELISA Kit	TNFRSF1B	0.056ng/mL	0.156-10ng/mL
EK17281	Human Vesicular Monoamine Transporter 2 ELISA Kit	VMAT2	0.063ng/mL	0.156-10ng/mL
EK17325	Mouse Wingless Type MMTV Integration Site Family, Member 5A ELISA Kit	WNT5A	12.4pg/mL	31.2-2000pg/mL
EK2415	Human Insulin receptor ELISA Kit	INSR	0.061ng/mL	1.56-100 ng/mL
EK1745	Human Tyrosine-protein kinase JAK3 ELISA Kit	JAK3	36pg/mL	78-5000 pg/mL
EK3294	Human Protein kinase C alpha type ELISA Kit	PRKCA	0.098ng/mL	0.156-10 ng/mL
EK3306	Human Delta-like protein 1 ELISA Kit	DLL1	10pg/ml	31.2-2000 pg/mL
EK2218	Human Forkhead box protein O1 ELISA Kit	FOXO1	0.078ng/mL	0.156-10 ng/mL
EK4910	Human Tyrosine-protein kinase JAK2 ELISA Kit	JAK2	0.34ng/mL	0.78-50 ng/mL
EK4306	Human Disabled homolog 2 ELISA Kit	DAB2	0.078 ng/mL	0.156-10 ng/mL
EK1607	Human Ephrin type-A receptor 4 ELISA Kit	EPHA4	10U/L	15.6-1000 U/L

代谢通路

Cat.	Product Name	Target Nam	Sensitivity	Detect Range
EK12720	Human Aquaporin 5 ELISA Kit	AQP5	0.141ng/mL	0.312-20ng/mL
EK12721	Rat Aquaporin 5 ELISA Kit	AQP5	0.062ng/mL	0.312-20ng/mL
EK12723	Human Aquaporin 9 ELISA Kit	AQP9	0.054ng/mL	0.156-10ng/mL
EK12919	Human Bone SialoproteinELISA Kit	BSP	11.2pg/mL	62.5-4000pg/mL
EK13222	Mouse Complement Factor H ELISA Kit	CFH	35.5pg/mL	78.1-5000pg/mL
EK13349	Human Collagen Type I Alpha 2 ELISA Kit	COL1a2	0.046ng/mL	0.156-10ng/mL
EK13350	Mouse Collagen Type I Alpha 2 ELISA Kit	COL1a2	0.053ng/mL	0.156-10ng/mL
EK13351	Rat Collagen Type I Alpha 2ELISA Kit	COL1a2	0.55ng/mL	1.56-100ng/mL
EK2948	Human Neurotensin/neuromedin N ELISA Kit	NTS	0.56 pmol/L	1.56-100 pmol/L
EK1192	Human Urocortin-3 ELISA Kit	UCN3	0.056ng/mL	0.156-10 ng/mL
EK3362	Human ATP-citrate synthase ELISA Kit	ACLY	0.35 U/ml	1.56-100 U/mL
EK4405	Human Aldose reductase ELISA Kit	AKR1B1	0.39ng/ml	1.56-100 ng/mL
EK4165	Human Apolipoprotein C-II ELISA Kit	APOC2	0.078ng/mL	0.156-10 ng/mL
EK4850	Human Cholinesterase ELISA Kit	BCHE	0.056ng/mL	0.156-10 ng/mL

表观遗传

Cat.	Product Name	Target Nam	Sensitivity	Detect Range
EK5012	Human Cytidine deaminase ELISA Kit	CDA	0.12ng/mL	0.625-40 ng/mL
EK2804	Human Deoxyribonuclease-1 ELISA Kit	DNASE1	0.078ng/mL	0.156-10 ng/mL
EK2650	Human Estrogen receptor ELISA Kit	ESR1	32pg/mL	78-5000 pg/mL
EK3809	Human Glucocorticoid receptor ELISA Kit	NR3C1	0.1ng/mL	0.312-20 ng/mL
EK1714	Human High mobility group protein B1 ELISA Kit	HMGB1	0.1 ng/mL	0.156-10 ng/mL
EK3145	Human Transcription factor AP-1 ELISA Kit	JUN	0.98ng/mL	1.56-100 ng/mL
EK5057	Human NF-kappa-B essential modulator ELISA Kit	IKBKG	0.34ng/mL	0.78-50 ng/mL
EK1025	Human Connective tissue growth factor ELISA Kit	CTGF	0.21ng/mL	0.312-20 ng/mL
EK4222	Human Oxysterols receptor LXR-alpha ELISA Kit	NR1H3	6.1 pg/mL	15.6-1000 pg/mL
EK5026	Human Protein-arginine deiminase type-2 ELISA Kit	PADI2	0.12ng/mL	0.312-20 ng/mL
EK2471	Human Poly [ADP-ribose] polymerase 1 ELISA Kit	PARP1	0.31ng/mL	0.625-40 ng/mL
EK4912	Human X-box-binding protein 1 ELISA Kit	XBP1	0.098ng/mL	0.156-10 ng/mL
EK8051	Human PC4 and SFRS1-interacting protein ELISA Kit	PSIP1	23pg/ml	78-5000 pg/mL
EK2853	Human Heterogeneous nuclear ribonucleoprotein F ELISA Kit	HNRNPF	34pg/ml	78-5000 pg/mL

心脑血管

Cat.	Product Name	Target Nam	Sensitivity	Detect Range
EK3159	Human Agouti-related protein ELISA Kit	AGRP	10pg/mL	15.6-1000 pg/mL
EK1015	Human Angiogenin ELISA Kit	ANG	5.7pg/mL	15.6-1000 pg/mL
EK3887	Human Angiopoietin-related protein 3 ELISA Kit	ANGPTL3	15.6 pg/mL	62.5-4000 pg/mL
EK4173	Human Apolipoprotein B-100 ELISA Kit	APOB	3.90 pg/mL	15.6-1000 pg/mL
EK2417	Human Cystatin-C ELISA Kit	CST3	0.1ng/mL	0.156-10 ng/mL
EK1114	Human Intercellular adhesion molecule 1 ELISA Kit	ICAM1	7.8pg/mL	31.2-2000 pg/mL
EK2127	Human Procalcitonin ELISA Kit	PCT	3.9 pg/mL	15.6-1000 pg/mL
EK1583	Human Pentraxin-related protein PTX3 ELISA Kit	PTX3	0.056ng/mL	0.156-10 ng/mL
EK1240	Human L-selectin ELISA Kit	SELL	0.34ng/mL	0.78-50 ng/ml
EK2157	Human Serpin A12 ELISA Kit	SERPINA12	0.1ng/mL	0.156-10 ng/mL
EK1704	Human Tissue factor pathway inhibitor ELISA Kit	TFPI	0.11ng/mL	0.312-20 ng/mL
EK2034	Human Thrombospondin-1 ELISA Kit	THBS1	0.098ng/mL	0.156-10 ng/mL
EK1368	Human Vascular cell adhesion protein 1 ELISA Kit	VCAM1	0.039 ng/mL	0.156-10 ng/mL
EK1553	Human Apolipoprotein C-I ELISA Kit	APOC1	0.57ng/mL	1.56-100 ng/mL

细胞凋亡

Cat.	Product Name	Target Nam	Sensitivity	Detect Range
EK13598	Human Death Associated Protein Kinase 1 ELISA Kit	DAPK1	0.052ng/mL	0.156-10ng/mL
EK13599	Mouse Death Associated Protein Kinase 1 ELISA Kit	DAPK1	0.051ng/mL	0.156-10ng/mL
EK13661	Human Death Inducer Obliterator 1 ELISA Kit	DIDO1	0.104ng/mL	0.312-20ng/mL
EK13662	Rat Death Inducer Obliterator 1 ELISA Kit	DIDO1	0.059ng/mL	0.156-10ng/mL
EK13930	Human Factor Related Apoptosis ELISA Kit	FAS	12pg/mL	39-2500pg/mL
EK13931	Human Factor Related Apoptosis Ligand ELISA Kit	FASL	5.8pg/mL	15.6-1000pg/mL
EK13932	Mouse Factor Related Apoptosis Ligand ELISA Kit	FASL	0.060ng/mL	0.156-10ng/mL
EK13934	Rat Factor Related Apoptosis Ligand ELISA Kit	FASL	0.076ng/mL	0.312-20ng/mL
EK13936	Mouse Factor Related Apoptosis ELISA Kit	FAS	10.2pg/mL	31.2-2000pg/mL
EK13941	Rat Factor Related Apoptosis ELISA Kit	FASL	29pg/mL	78.1-5000pg/mL
EK14703	Human Insulin Like Growth Factor Binding Protein 4 ELISA Kit	IGFBP4	1.13ng/mL	3.12-200ng/mL
EK14704	Mouse Insulin Like Growth Factor Binding Protein 4 ELISA Kit	IGFBP4	6.4pg/mL	15.6-1000pg/mL
EK14706	Rat Insulin Like Growth Factor Binding Protein 4 ELISA Kit	IGFBP4	0.148ng/mL	0.312-20ng/mL
EK14989	Mouse Involucrin ELISA Kit	iNV	0.067ng/mL	0.156-10ng/mL

生化试剂盒

细胞凋亡检测

细胞凋亡是细胞的基本特征之一，它在机体的胚胎发育、组织修复、内环境的稳定和一些疾病发生过程等方面起着十分重要的作用。在正常细胞中，磷脂酰丝氨酸（PS）只分布在细胞膜脂质双层的内侧，而在细胞凋亡早期，细胞膜中的磷脂酰丝氨酸（PS）由脂膜内侧翻向外侧。在体内，巨噬细胞可以识别翻转到细胞膜表面的PS 从而将这些程序性死亡的细胞清除，因此凋亡过程中并不伴随局部的炎症反应，而在细胞坏死的过程中则常常伴随着炎症反应。

Product Name	Cat.	Size
Annexin V-FITC/PI 双染细胞凋亡检测试剂盒	CA001 绿色荧光：流式/荧光显微镜检测;悬浮/贴壁细胞	20T/50T/100T
Annexin V-EGFP/PI 双染细胞凋亡检测试剂盒	CA004 绿色荧光：流式/荧光显微镜检测;悬浮/贴壁细胞	20T/50T/100T

细胞增殖与毒性检测

细胞增殖及细胞毒性检测试剂盒Cell Counting Kit-8 (CCK-8) 是应用新型的水溶性四唑盐2-(2-甲氧基-4-硝苯基)-3-(4-硝苯基)-5-(2,4-二磺基苯)-2H-四唑单钠盐快速高灵敏度检测细胞增殖和细胞毒性的比色检测产品。

Product Name	Cat.	Size
CCK-8细胞增殖及细胞毒性检测试剂盒	CP002	250T/500T/1000T/3000T
MTT细胞增殖及细胞毒性检测试剂盒	CP001	250T/500T
WST-1细胞增殖及细胞毒性检测试剂盒	CP003	500T/1000T
MTS细胞增殖与毒性检测试剂盒	CP004	500T/1000T

引用文献

TRIM52 regulates the proliferation and invasiveness of lung cancer cells via the Wnt/β-catenin pathway.In **Oncol Rep** on 2019 Jun by Mu X1, Li H et al.. PMID: 31002351

Apoptotic effect of Aralia echinocaulis extract on fibroblast-like synoviocytes in rats with adjuvant-induced arthritis via inhibiting the Akt/Hif-1α signaling pathway in vitro.In **J Pharmacol Sci** on 2019 Apr by Li Y, He N ,et al.. PMID: 30871871

Fibronectin promotes cervical cancer tumorigenesis through activating FAK signaling pathway.In **J Cell Biochem** on 2019 Apr 11 by Zhou Y, Shu C et al.. PMID: 30977220

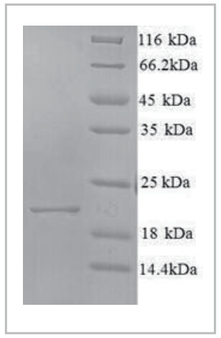
Requirement of TGFβ Signaling for Effect of Fluoride on Osteoblastic Differentiation.In **Biol Trace Elem Res** on 2019 Feb by Zhang J1, Jiang N1, et al.. PMID:29770951

重组蛋白/细胞因子

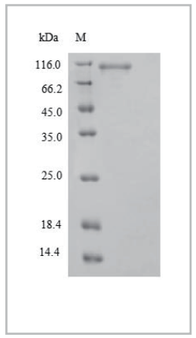
重组蛋白的产生是应用了重组DNA或重组RNA的技术从而获得的蛋白质。体外重组蛋白的生产主要包括四大系统：原核蛋白表达，哺乳动物细胞蛋白表达，酵母蛋白表达及昆虫细胞蛋白表达。生产的蛋白在活性和应用方法方面均有所不同。根据自身的下游运用选择合适的蛋白表达系统，提高表达成功率。

按功能分，可分为以下几种：

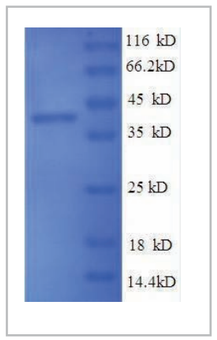
1.白细胞介素（Interleukin，IL）
2.干扰素（interferon，IFN）
3.肿瘤坏死因子（tumor necrosis factor,TNF）
4.集落刺激因子（colony stimulating factor，CSF）
5.生长因子（growth factor，GF）
6.趋化性细胞因子（chemokine）



Recombinant Human Cystathionine beta-synthase(CBS),partial AP73671

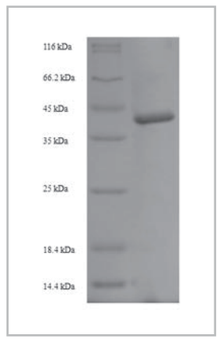


Recombinant Saccharomyces cerevisiae Serine--tRNA ligase, Cytoplasmic domain(SES1) AP73813

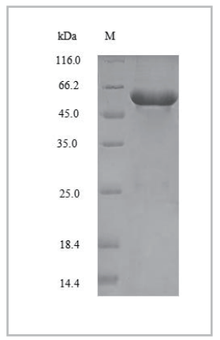


Recombinant Mycobacterium tuberculosis Peptidoglycan-binding protein ArfA AP72949

Recombinant Hepatitis C virus genotype 1b Genome polyprotein,partial AP73728



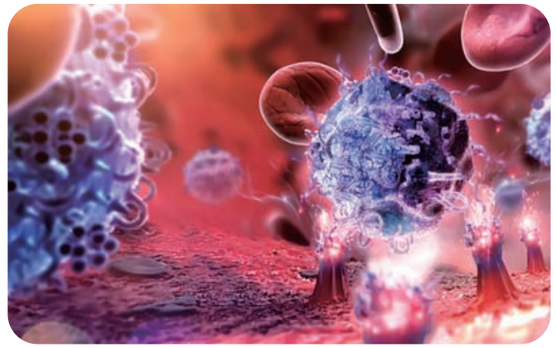
Recombinant Hordeum vulgare Cysteine proteinase EP-B 2(EPB2) AP73769



Recombinant Saccharomyces cerevisiae Serine--tRNA ligase, Cytoplasmic domain(SES1) AP73813

Cat.	Product Name	Alternative Names	Swissprot
AP70034	Recombinant human Annexin A2	Annexin II; Annexin-2	P07355
AP70659	Recombinant human Perforin-1	Cytolysin; PFP	P14222
AP71147	Recombinant Staphylococcus aureus Enterotoxin type B	SEB	P01552
AP72769	Recombinant human S-arrestin	S-AG Rod photoreceptor arrestin	P10523
AP73471	Recombinant Mouse Interleukin-2 protein(Il2)	IL-2, TCGF	P04351
AP73689	Recombinant Mouse Putative phospholipase B-like 2(Plbd2)	66.3KDA protein76KDA protein	Q3TCN2
AP74447	Recombinant Mouse Lysyl oxidase homolog 4(Loxl4)	Lysyl oxidase-like protein 4	Q924C6
AP74279	Recombinant Saccharomyces cerevisiae Pyruvate kinase 1	cell division cycle protein 19	P00549

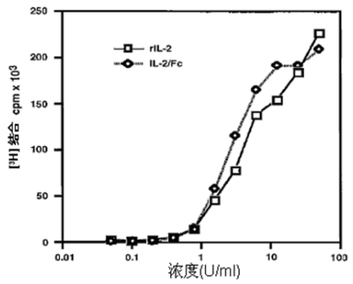
融合蛋白



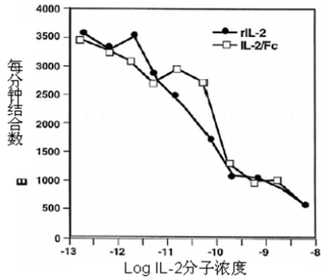
涵盖免疫学、干细胞、癌症、心血管、信号通路、表面标记等热点研究领域

- 符合GMP要求的洁净车间
- 全部哺乳动物细胞表达，活性保障
- >98%的纯度、<5EU/mg的内毒素（符合药厂需求）

原功能蛋白的活性全部保留



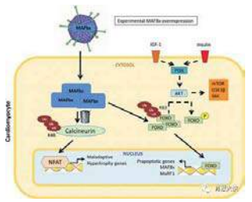
细胞增殖实验



与受体竞争性结合实验

Cat.	Product Name	Host	Molecular Mass	Purity
AP79507	B7-H3(4Ig) [B7-H3b] (human) (rec.) (His)	HEK293 cells	48kDa(predicted)	>95%
AP79509	B7-H4 (human) (rec.)	Human cell	50kDa (SDS-PAGE)	>95%

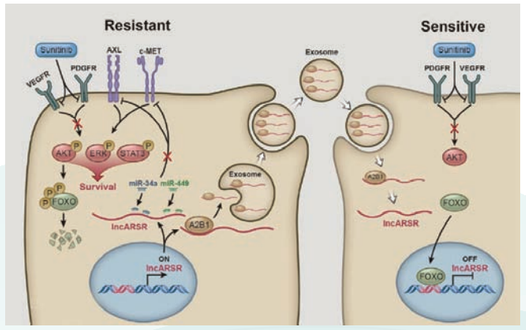
无动物源性重组蛋白酶



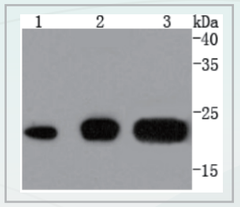
- 重组胰岛素及其类似物生产用
- 疫苗生产用
- 重组抗体生产用
- 临床细胞治疗用
- 解决动物源性疾病的经用药途径的传播

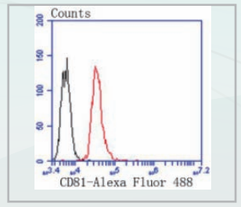
Cat.	Product Name	CAS No	SDS-PAGE MW
RE013	Sequencing Grade Chymotrypsin	9004-7-3 EC: 3.4.21.1	24.02.4 kDa
RE014	Sequencing Grade V8 Protease	66676-43-5 EC:3.4.21.19	24.02.4 kDa

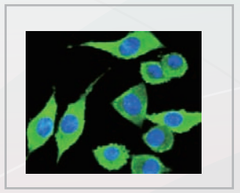
外泌体研究相关试剂

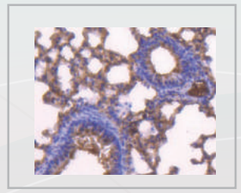


Exosomes,中文名外泌体，因其形态而得名，直径为30-150nm，是细胞外泌囊泡中体积较小的一种。是一种能被大多数细胞分泌的微小膜泡，具有脂质双层膜结构。尽管外泌体最初在1983年就被发现，但人们一直认为它只是一种细胞的废弃物。然而最近几年，人们发现这种微小膜泡中含有细胞特异的蛋白、脂质和核酸，能作为信号分子，传递给其他细胞从而改变其他细胞的功能。这些发现点燃了人们对细胞分泌膜泡的兴趣。
最近的研究发现外泌体在很多生理病理上起着重要的作用，如免疫中抗原呈递、肿瘤的生长与迁移、组织损伤的修复等。不同细胞分泌的外泌体具有不用的组成成分和功能，可作为疾病诊断的生物标志物。









抗体

48625 CD9 Rabbit Monoclonal Antibody
48772 CD63 Rabbit Monoclonal Antibody
49103 CD81 Rabbit Monoclonal Antibody
43277 GPC1 Antibody
45299 TSG101 Antibody

蛋白

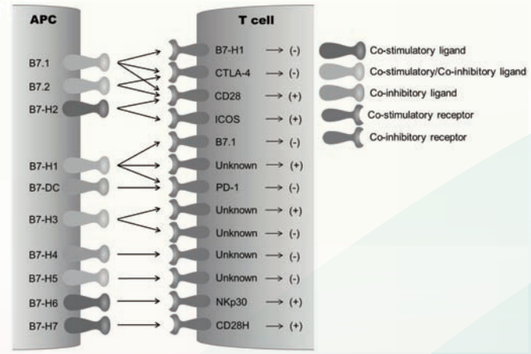
AP76335 Recombinant Human Glypican-1
AP70145 Recombinant human CD81
AP70034 Recombinant human Annexin A2
AP71767 Recombinant human Alpha-enolase
AP75864 Recombinant Human SDCBP

试剂盒

EK5990 Human TSG101 ELISA Kit
EK4884 Human Glypican-1 ELISA Kit
EK16803 Human CD81 ELISA Kit
EK14568 Human HSPA8 ELISA Kit
EK8624 Human PDCD6IP ELISA Kit
EK4111 Human Annexin A2 ELISA Kit

免疫检查点

2013年12月，Science杂志公布了2013年度世界十大科学突破，其中以抗负性共刺激分子（免疫卡控点）——CTLA-4，PD-1单克隆抗体应用为代表的肿瘤免疫治疗荣登榜首。免疫卡控点是随着近年对肿瘤微环境和肿瘤免疫逃逸机制的深入研究，发现的一组介导免疫调节的重要分子，如负性B7家族分子：PD-L1（B7-H1）/PD-1、B7-H3、B7-H4 、B7-H5和CTLA-4以及Tim-3等。



Schematic diagram of B7 co-signaling family network

Cat.	Product Name	Source	Application
CM007	Mouse Anti-Human CD3 mAb	Mouse Monoclonal Ab	FC/Active
CM008	Mouse Anti-Human CD28 mAb	Mouse Monoclonal Ab	FC/Costim
CM009	Mouse Anti-Human CD28, FITC Conjugated mAb	Mouse Monoclonal Ab	FC
CM010	Mouse Anti-Human CD28, PE Conjugated mAb	Mouse Monoclonal Ab	FC
CM011	Mouse Anti-Human CD40 mAb	Mouse Monoclonal Ab	FC/WB/Costim
CM012	Mouse Anti-Human CD40, FITC Conjugated mAb	Mouse Monoclonal Ab	FC
CM013	Mouse Anti-Human CD40, PE Conjugated mAb	Mouse Monoclonal Ab	FC
CM014	Mouse Anti-Human CD40, Biotin Conjugated mAb	Mouse Monoclonal Ab	FC
CM015	Mouse Anti-Human CD40L (CD154)	Mouse Monoclonal Ab	FC/ELISA
CM016	Mouse Anti-Human CD40L (CD154)	Mouse Monoclonal Ab	FC
CM017	Mouse Anti-Human CD40L (CD154)	Mouse Monoclonal Ab	FC/Block
CM018	Mouse Anti-HumanCD40L (CD154), FITC Conjugated mAb	Mouse Monoclonal Ab	FC
CM019	Mouse Anti-Human CD40L (CD154), PE Conjugated mAb	Mouse Monoclonal Ab	FC
CM020	Mouse Anti-Human CD40L (CD154), Biotin Conjugated mAb	Mouse Monoclonal Ab	FC/ELISA
CM021	Mouse Anti-Human CD80 mAb	Mouse Monoclonal Ab	FC
CM022	Mouse Anti-Human CD80, FITC Conjugated mAb	Mouse Monoclonal Ab	FC
CM023	Mouse Anti-Human CD80, PE Conjugated mAb	Mouse Monoclonal Ab	FC
CM024	Mouse Anti-Human CD80, Biotin Conjugated mAb	Mouse Monoclonal Ab	FC
CM025	Mouse Anti-Human CD279 (PD-1) mAb	Mouse Monoclonal Ab	FC/ELISA
CM026	Mouse Anti-Human CD279 (PD-1) mAb	Mouse Monoclonal Ab	FC/WB
CM027	Mouse Anti-Human CD279 (PD-1) mAb	Mouse Monoclonal Ab	FC/Block
CM028	Mouse Anti-Human CD279 (PD-1), FITC Conjugated mAb	Mouse Monoclonal Ab	FC
28141	Mouse anti-Human CD45, Purified mAb	Mouse Monoclonal Ab	FC

免疫检查点

Cat.	Product Name	Source	Application
CM029	Mouse Anti-Human CD274 (PD-1), PE Conjugated mAb	Mouse Monoclonal Ab	FC
CM030	Mouse Anti-Human CD274 (PD-1), Biotin Conjugated mAb	Mouse Monoclonal Ab	FC/ELISA
CM031	Mouse Anti-Human CD273 (PD-L2) mAb	Mouse Monoclonal Ab	FC
CM032	Mouse Anti-Human CD273 (PD-L2), FITC Conjugated mAb	Mouse Monoclonal Ab	FC
CM033	Mouse Anti-Human CD273 (PD-L2), PE Conjugated mAb	Mouse Monoclonal Ab	FC
CM034	Mouse Anti-Human CD273 (PD-L2), Biotin Conjugated mAb	Mouse Monoclonal Ab	FC
CM035	Mouse Anti-Human GL50 (B7-H2) mAb	Mouse Monoclonal Ab	FC/ELISA
CM036	Mouse Anti-Human GL50 (B7-H2) mAb	Mouse Monoclonal Ab	FC/ELISA/Block
CM037	Mouse Anti-Human GL50 (B7-H2), FITC Conjugated mAb	Mouse Monoclonal Ab	FC
CM038	Mouse Anti-Human GL50 (B7-H2), PE Conjugated mAb	Mouse Monoclonal Ab	FC
CM039	Mouse Anti-Human GL50 (B7-H2), Biotin Conjugated mAb	Mouse Monoclonal Ab	ELISA
CM040	Mouse Anti-Human CD276 (B7-H3) mAb	Mouse Monoclonal Ab	FC/IHC/Block/ ELISA
CM041	Mouse Anti-Human CD276 (B7-H3) mAb	Mouse Monoclonal Ab	FC/ELISA
CM042	Mouse Anti-Human CD276 (B7-H3), FITC Conjugated mAb	Mouse Monoclonal Ab	FC
CM043	Mouse Anti-Human CD276 (B7-H3), PE Conjugated mAb	Mouse Monoclonal Ab	FC
CM044	Mouse Anti-Human CD276 (B7-H3), Biotin Conjugated mAb	Mouse Monoclonal Ab	FC/ELISA
CM045	Mouse Anti-Human B7-H4 mAb	Mouse Monoclonal Ab	FC/Block
CM046	Mouse Anti-Human B7-H4 mAb	Mouse Monoclonal Ab	FC/IHC/WB
CM047	Mouse Anti-Human B7-H4, FITC Conjugated mAb	Mouse Monoclonal Ab	FC
CM048	Mouse Anti-Human B7-H4, PE Conjugated mAb	Mouse Monoclonal Ab	FC
CM049	Mouse Anti-Human B7-H4, Biotin Conjugated mAb	Mouse Monoclonal Ab	FC/Block
CM050	Mouse Anti-Human CD252 (OX40L) mAb	Mouse Monoclonal Ab	FC
CM051	Mouse Anti-Human CD252 (OX40L), FITC Conjugated mAb	Mouse Monoclonal Ab	FC
CM052	Mouse Anti-Human CD252 (OX40L), PE Conjugated mAb	Mouse Monoclonal Ab	FC
CM053	Mouse Anti-Human CD252 (OX40L), Biotin Conjugated mAb	Mouse Monoclonal Ab	FC
CM054	Mouse Anti-Human CD137 (4-1BB) mAb	Mouse Monoclonal Ab	FC/ELISA/WB
CM055	Mouse Anti-Human CD137 (4-1BB), FITC Conjugated mAb	Mouse Monoclonal Ab	FC
CM056	Mouse Anti-Human CD137 (4-1BB), PE Conjugated mAb	Mouse Monoclonal Ab	FC
CM057	Mouse Anti-Human CD137 (4-1BB), Biotin Conjugated mAb	Mouse Monoclonal Ab	FC
CM058	Mouse Anti-Human 4-1BB Ligand (4-1BBL) mAb	Mouse Monoclonal Ab	FC/Costim/WB
CM059	Mouse Anti-Human 4-1BB Ligand (4-1BBL), FITC Conjugated mAb	Mouse Monoclonal Ab	FC/Costim/WB
CM060	Mouse Anti-Human 4-1BB Ligand (4-1BBL), PE Conjugated mAb	Mouse Monoclonal Ab	FC/Costim/WB

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免疫检查点

Cat.	Product Name	Source	Application
CM061	Mouse Anti-Human 4-1BB Ligand (4-1BBL), Biotin Conjugated mAb	Mouse Monoclonal Ab	FC/Costim/WB
CM062	Mouse Anti-Human CD252 (OX40L) mAb	Mouse Monoclonal Ab	ELISA
CM063	Mouse Anti-Human CD252 (OX40L), FITC Conjugated mAb	Mouse Monoclonal Ab	FC
CM064	Mouse Anti-Human CD252 (OX40L), PE Conjugated mAb	Mouse Monoclonal Ab	FC
CM065	Mouse Anti-Human CD252 (OX40L), Biotin Conjugated mAb	Mouse Monoclonal Ab	FC/ELISA
CM066	Mouse Anti-Human CD184 (CXCR4) mAb	Mouse Monoclonal Ab	FC
CM067	Mouse Anti-Human CD184 (CXCR4), FITC Conjugated mAb	Mouse Monoclonal Ab	FC
CM068	Mouse Anti-Human CD184 (CXCR4), PE Conjugated mAb	Mouse Monoclonal Ab	FC
CM069	Mouse Anti-Human CD184 (CXCR4), Biotin Conjugated mAb	Mouse Monoclonal Ab	FC
CM070	Mouse Anti-Human CD272 (BTLA) mAb	Mouse Monoclonal Ab	FC
CM071	Mouse Anti-Human CD272 (BTLA), FITC Conjugated mAb	Mouse Monoclonal Ab	FC
CM072	Mouse Anti-Human CD272 (BTLA), PE Conjugated mAb	Mouse Monoclonal Ab	FC
CM073	Mouse Anti-Human CD272 (BTLA), Biotin Conjugated mAb	Mouse Monoclonal Ab	FC
CM074	Mouse Anti-Human CD258 (LIGHT) mAb	Mouse Monoclonal Ab	FC
CM075	Mouse Anti-Human CD258 (LIGHT), FITC Conjugated mAb	Mouse Monoclonal Ab	FC
CM076	Mouse Anti-Human CD258 (LIGHT), PE Conjugated mAb	Mouse Monoclonal Ab	FC
CM077	Mouse Anti-Human CD258 (LIGHT), Biotin Conjugated mAb	Mouse Monoclonal Ab	FC
CM078	Mouse Anti-Human ICOS mAb	Mouse Monoclonal Ab	FC
CM079	Mouse Anti-Human ICOS, FITC Conjugated mAb	Mouse Monoclonal Ab	FC
CM080	Mouse Anti-Human ICOS, PE Conjugated mAb	Mouse Monoclonal Ab	FC
CM081	Mouse Anti-Human ICOS, Biotin Conjugated mAb	Mouse Monoclonal Ab	FC
CM082	Mouse Anti-Human B7-H5 mAb	Mouse Monoclonal Ab	FC
CM083	Mouse Anti-Human B7-H5 mAb	Mouse Monoclonal Ab	IHC/WB
CM084	Mouse Anti-Human B7-H5, FITC Conjugated mAb	Mouse Monoclonal Ab	FC
CM085	Mouse Anti-Human B7-H5, PE Conjugated mAb	Mouse Monoclonal Ab	FC
CM086	Mouse Anti-Human B7-H5, Biotin Conjugated mAb	Mouse Monoclonal Ab	FC
CM087	Mouse Anti-Human CD233 (LAG-3) mAb	Mouse Monoclonal Ab	FC/IHC
CM088	Mouse Anti-Human CD233 (LAG-3) mAb	Mouse Monoclonal Ab	WB
CM089	Mouse Anti-Human CD233 (LAG-3), FITC Conjugated mAb	Mouse Monoclonal Ab	FC
CM090	Mouse Anti-Human CD233 (LAG-3), PE Conjugated mAb	Mouse Monoclonal Ab	FC
CM091	Mouse Anti-Human CD233 (LAG-3), Biotin Conjugated mAb	Mouse Monoclonal Ab	FC
CM092	Anti-human CD366(Tim-3) mAb	Mouse Monoclonal Ab	FC/IHC/WB

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免疫检查点

Cat.	Product Name	Source	Application
CM093	Mouse Anti-Human CD366(Tim-3), FITC Conjugated mAb	Mouse Monoclonal Ab	FC
CM094	Mouse Anti-Human CD366(Tim-3), PE Conjugated mAb	Mouse Monoclonal Ab	FC
CM095	Mouse Anti-Human CD366(Tim-3), Biotin Conjugated mAb	Mouse Monoclonal Ab	FC
CM096	Anti-human CD47 mAb	Mouse Monoclonal Ab	FC/WB/Active/ Block
CM097	Mouse Anti-Human CD47, FITC Conjugated mAb	Mouse Monoclonal Ab	FC
CM098	Mouse Anti-Human CD47, PE Conjugated mAb	Mouse Monoclonal Ab	FC
CM099	Mouse Anti-Human CD47, Biotin Conjugated mAb	Mouse Monoclonal Ab	FC
CM100	Anti-human CD45 mAb	Mouse Monoclonal Ab	FC
CS001	Mouse Anti-Human CD133 mAb	Mouse Monoclonal Ab	FC/Active/IHC
CS002	Mouse Anti-Human CD133, FITC Conjugated mAb	Mouse Monoclonal Ab	FC
CS003	Mouse Anti-Human CD133, PE Conjugated mAb	Mouse Monoclonal Ab	FC
CS004	Mouse Anti-Human CD133, Biotin Conjugated mAb	Mouse Monoclonal Ab	FC

动物血清

Cat.	catalog	Product Name	IgG concentration
SR101	SMA100-100mL SMA500-500mL SMAL01-1L	Mouse serum	≥9 mg/m

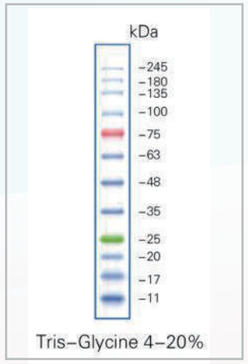
IgG

Cat.	catalog	Product Name	Purity
IG101	BMA100-100mg BMA200-200mg BMAL01-1g	Mouse IgG	≥95%

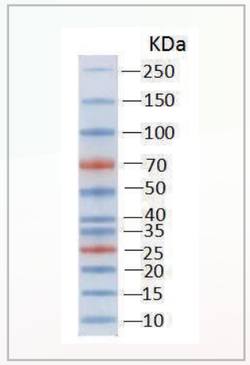
阻断剂

Cat.	catalog	Product Name	Purity
BK001	BR-01	Blocker Reagent 1 (Mouse mAb-Mouse mAb System)	≥90%
BK002	BR-02	Blocker Reagent 2 (Mouse mAb-Mouse mAb System)	≥90%

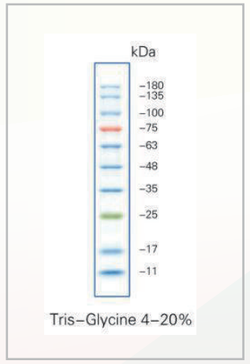
蛋白电泳Marker



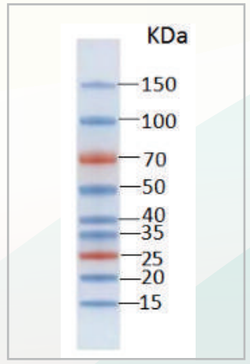
PM007
Prestained Protein Marker
(11-245KD)



PM011
Prestained Protein Marker
(10-250KD)



PM008
Prestained Protein Marker
(11-180KD)

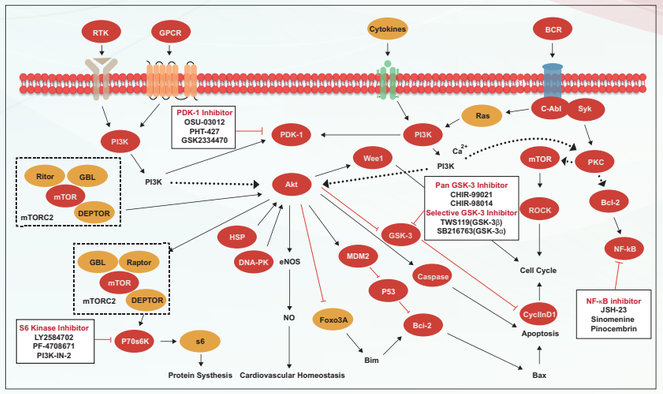


PM010
Prestained Protein Marker
(15-150KD)

Product Name	Cat.	Size
Unstained High Range Protein Marker (43-200KD)	PM001-1	100 μl
	PM001-2	200 μl
Unstained Low Range Protein Marker (14.4-97.4KD)	PM002-1	200 μl
	PM002-2	400 μl
Prestained Protein Marker (11-245KD)	PM007	500 μl

抑制剂

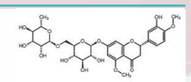
PI3K/Akt/mTOR Signaling



Akt inhibitor

Methyl hesperidin

ID: S0228

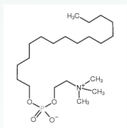


Methyl Hesperidin is a flavanone glycoside (flavonoid) (C28H34O15) found abundantly in citrus fruits. Its aglycone form is called hesperetin.

Miltefosine

ID: S0033

Miltefosine inhibits PI3K/Akt activity with ED50 of 17.2 μM and 8.1 μM in carcinoma cell lines A431 and HeLa, first oral drug for Visceral leishmaniasis, effective against both promastigotes and amastigotes.



Size	2mg	10mg	25mg	50mg	1ml/10mM

最新文献截选

Mitochondria-targeted antioxidant therapy for an animal model of PCOS-IR. In **Int J Mol Med** on 2019 Jan by Ding Y, Jiang Z et al..PMID:30431108

5-(3,4-Difluorophenyl)-3-(6-methylpyridin-3-yl)-1,2,4-oxadiazole (DDO-7263), a novel Nrf2 activator targeting brain tissue, protects against MPTP-induced subacute Parkinson's disease in mice by inhibiting the NLRP3 inflammasome and protects PC12 cells against oxidative stress.In **Free Radic Biol Med** on 2019 Jan 5 by Xu LL, Wu YF et al..PMID:30615919

PAK4 Phosphorylates Fumarase and Blocks TGFβ-Induced Cell Growth Arrest in Lung Cancer Cells. In **Cancer Res** on 2019 Apr 1 by Chen T, Wang T et al..PMID:30683654

Epigenetically modulated FOXM1 suppresses dendritic cell maturation in pancreatic cancer and colon cancer. In **Mol Oncol** on 2019 Apr by Zhou Z, Chen H et al..PMID:30628173

Rho signaling pathway enhances proliferation of PASMCs by suppressing nuclear translocation of Smad1 in PAH. In **Exp Ther Med** on 2019 Jan by Wei H, Zhang D et al..PMID:30603049

A GYS2/p53 Negative Feedback Loop Restricts Tumor Growth in HBV-Related Hepatocellular Carcinoma. In **Cancer Res** on 2019 Feb 1 by Chen SL, Zhang CZ et al..PMID:30584071

Macrophages activate mesenchymal stem cells to acquire cancer-associated fibroblast-like features resulting in gastric epithelial cell lesions and malignant transformation in vitro. In **Oncol Lett** on 2019 Jan by Zhang Q, Chai S et al..PMID:30655826

An alternative pathway for the formation of aromatic aroma compounds derived from l-phenylalanine via phenylpyruvic acid in tea (Camellia sinensis (L.) O. Kuntze) leaves. In **Food Chem** on 2019 Jan 1 by Wang X, Zeng L et al..PMID:30174031

Arsenic trioxide inhibits the differentiation of fibroblasts to myofibroblasts through nuclear factor erythroid 2-like 2 (NFE2L2) protein and the Smad2/3 pathway. In **J Cell Physiol** on 2019 Mar by Zhong L, Hao H et al..PMID:30317545

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