



Rabbit Anti-phospho-JNK1 + 2 + 3 (Thr183+Tyr185) antibody

SL1640R

Product Name:	phospho-JNK1 + 2 + 3 (Thr183+Tyr185)
Chinese Name:	磷酸化氨基末端激酶1/2/3抗体
Alias:	JNK1 + JNK2 + JNK3(phospho T183+T183); JNK1 (phospho T183 + Y185); p-JNK1 (phospho T183 + Y185); MAPK8 (phospho T183/Y185); JNK1 + JNK2 + JNK3 (phospho Thr183+Tyr185); JNK1 + 2 + 3 (phospho Thr183+Tyr185); p-JNK; c Jun N terminal kinase 1; C-JUN kinase 1; EC 2.7.11.24; JAK 1A; JAK1A; JNK 1; JNK 46; JNK; JNK1A2; JNK21B1/2; MAP kinase 8; MAPK 8; MAPK8; Mitogen activated protein kinase 8; p54 gamma; PRKM 8; PRKM8; Protein kinase JNK1; Protein kinase, mitogen-activated, 8; SAPK 1; SAPK gamma; SAPK1; Stress activated protein kinase JNK1; Stress-activated protein kinase JNK1; Tyrosine protein kinase JAK1; AI849689; MK08_HUMAN.
文献引用 PubMed :	<p>Specific References(11) SL1640R has been referenced in 11 publications.</p> <p>[IF=4.75]Rosenzweig, Derek H., Sing J. Ou, and Thomas M. Quinn. ?P38 mitogen activated protein kinase promotes dedifferentiation of primary articular chondrocytes in monolayer culture.? Journal of Cellular and Molecular Medicine (2013).WB;Bovine. PubMed:23480786</p> <p>[IF=4.26]Rosenzweig, Derek H., et al. "Mechanical injury of bovine cartilage explants induces depth-dependent, transient changes in MAP kinase activity associated with apoptosis." Osteoarthritis and Cartilage (2012).WB;Bovine. PubMed:22935788</p> <p>[IF=3.31]Król, Magdalena, et al. "Macrophages Mediate a Switch between Canonical and Non-Canonical Wnt Pathways in Canine Mammary Tumors." PloS one 9.1 (2014): e83995.WB;Dog.</p>

[PubMed:24404146](#)

[IF=2.47] Zhao, Hongyu, et al. "Betulin attenuates lung and liver injuries in sepsis." *International Immunopharmacology* 30 (2016): 50-56. **WB;Rat.**

[PubMed:26644168](#)

[IF=2.38] Cong, Lin, and Wenting Chen. "Neuroprotective Effect of Ginsenoside Rd on Spinal Cord Injury Rats." *Basic & Clinical Pharmacology & Toxicology*(2016). **WB;Rat.**

[PubMed:26833867](#)

[IF=2.30] Zhang, Ying, et al. "Overexpression of WNT5B promotes COLO 205 cell migration and invasion through the JNK signaling pathway." *Oncology Reports*. **WB;Human.**

[PubMed:27121420](#)

[IF=2.55] Zhao, Haiyan, et al. "Inhibition of endocan attenuates monocrotaline-induced connective tissue disease related pulmonary arterial hypertension." *International Immunopharmacology* 42 (2017): 115-121. **WB;Rat.**

[PubMed:27912147](#)

[IF=4.55] Ning, Chong, et al. "Chicory inulin ameliorates type 2 diabetes mellitus and suppresses JNK and MAPK pathways in vivo and in vitro." *Molecular Nutrition & Food Research* (2017). **WB;Rat.**

[PubMed:28105758](#)

[IF=4.55] Ning, Chong, et al. "Chicory inulin ameliorates type 2 diabetes mellitus and suppresses JNK and MAPK pathways in vivo and in vitro." *Molecular Nutrition & Food Research* (2017). **WB;Rat.**

[PubMed:28105758](#)

[IF=4.42] Yu, Haijie, et al. "Gypenoside Protects Cardiomyocytes against Ischemia-Reperfusion Injury via the Inhibition of Mitogen-Activated Protein Kinase Mediated Nuclear Factor Kappa B Pathway In Vitro and In Vivo." *Frontiers in Pharmacology* 7 (2016). **WB;Rat.**

[PubMed:27313532](#)

[IF=2.27] Yu, Wu, et al. "BEX4 upregulation alters Sertoli cell growth properties and protein expression profiles: An explanation for cadmium-induced testicular Sertoli cell injury." *Journal of Biochemical and Molecular Toxicology* (2017).

[PubMed:28295929](#)

Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human, Mouse, Rat, Dog, Pig, Cow,
Applications:	ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 Flow-Cyt=1 µg /test ICC=1:100-500 IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	42kDa
Cellular localization:	The nucleus cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1 mg/ml
immunogen:	KLH conjugated Synthesised phosphopeptide derived from human JNK1 around the phosphorylation site of Thr183/Tyr185:MM(p-T)P(p-Y)VV
Isotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS (pH 7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>JNK1 (MAPK8) is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This kinase is activated by various cell stimuli, and targets specific transcription factors, and thus mediates immediate-early gene expression in response to cell stimuli. The activation of this kinase by tumor-necrosis factor alpha (TNF-alpha) is found to be required for TNF-alpha induced apoptosis. This kinase is also involved in UV radiation induced apoptosis, which is thought to be related to cytochrome c-mediated cell death pathway. Studies of the mouse counterpart of this gene suggested that this kinase play a key role in T cell proliferation, apoptosis and differentiation. Four alternatively spliced transcript variants encoding distinct isoforms have been reported. JNK1 is activated by threonine and tyrosine phosphorylation by either of two dual specificity kinases, MAP2K4 and MAP2K7. The JNK pathway is critically involved in diabetes and levels are abnormally elevated in obesity. The cell-permeable JNK inhibitory peptide may have promise as a therapeutic agent for diabetes.</p> <p>Subunit: Interacts with MECOM and DCLK2. Binds to at least four scaffolding proteins, MAPK8IP1/JIP-1, MAPK8IP2/JIP-2, MAPK8IP3/JIP-3/JSAP1 and SPAG9/MAPK8IP4/JIP-4. These proteins also bind other components of the JNK signaling pathway. Interacts with NFATC4. Interacts with ATF7; the interaction does not phosphorylate ATF7 but acts as a docking site for ATF7-associated partners such as JUN. Interacts with BCL10. Interacts with CTNNB1 and GSK3B.</p>

Subcellular Location:

Cytoplasm. Nucleus.

Post-translational modifications:

Dually phosphorylated on Thr-183 and Tyr-185 by MAP2K7 and MAP2K4, which activates the enzyme. Autophosphorylated in vitro.

Similarity:

Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. MAP kinase subfamily.

Contains 1 protein kinase domain.

SWISS:

P45983

Gene ID:

5599

Database links:

[Entrez Gene: 5599](#)Human

[Entrez Gene: 5601](#)Human

[Entrez Gene: 26419](#)Mouse

[Entrez Gene: 26420](#)Mouse

[Oimim: 601158](#)Human

[Oimim: 602896](#)Human

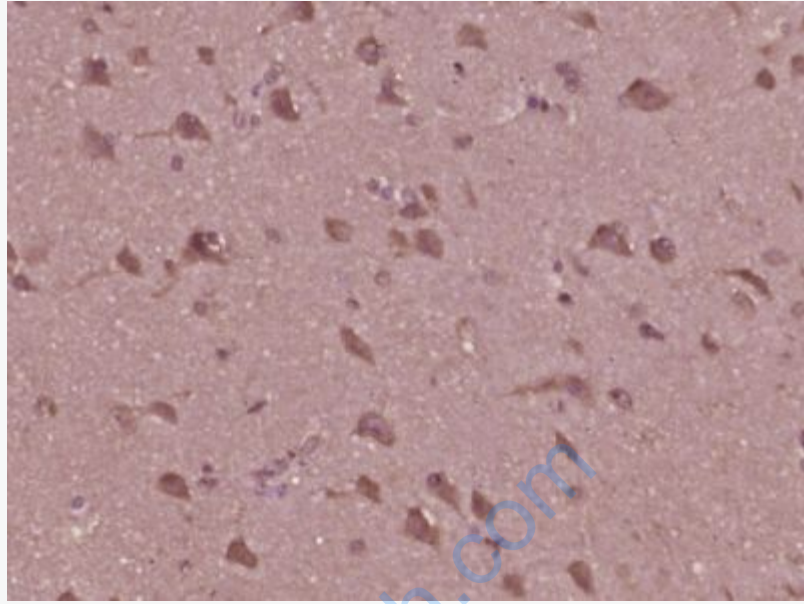
[SwissProt: P45983](#)Human

[SwissProt: P45984](#)Human

Important Note:

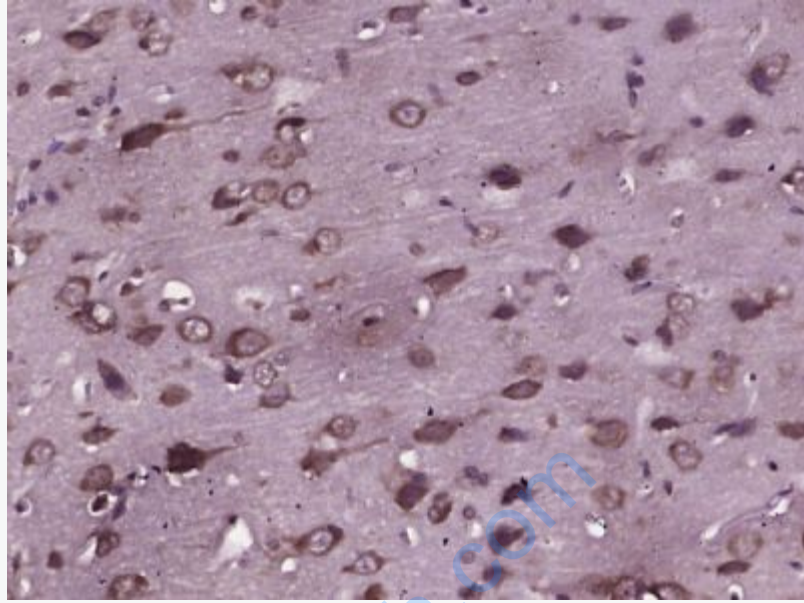
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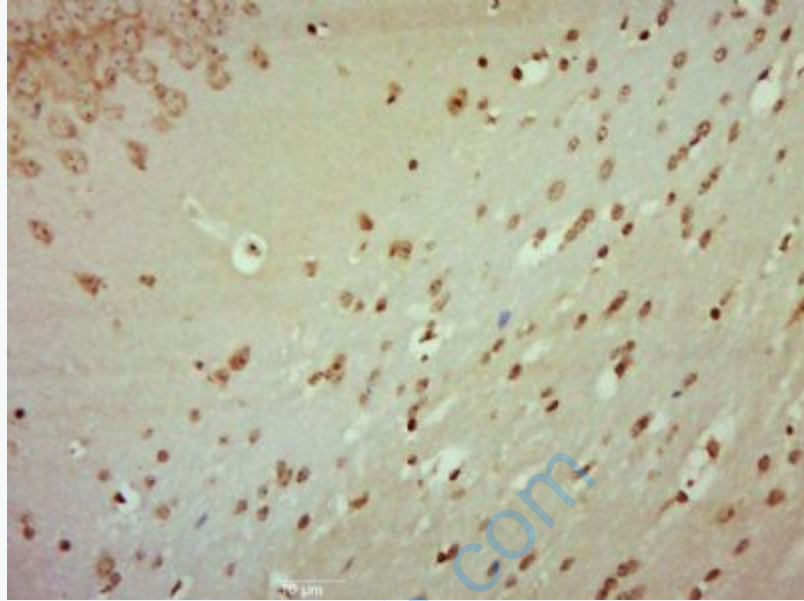


Picture:

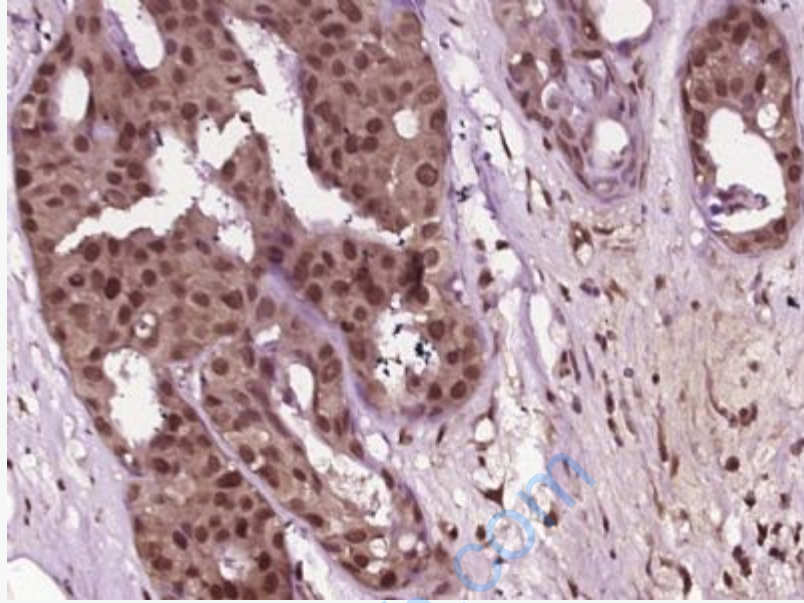
Paraformaldehyde-fixed, paraffin embedded (human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MAPK8) Polyclonal Antibody, Unconjugated (SL1640R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



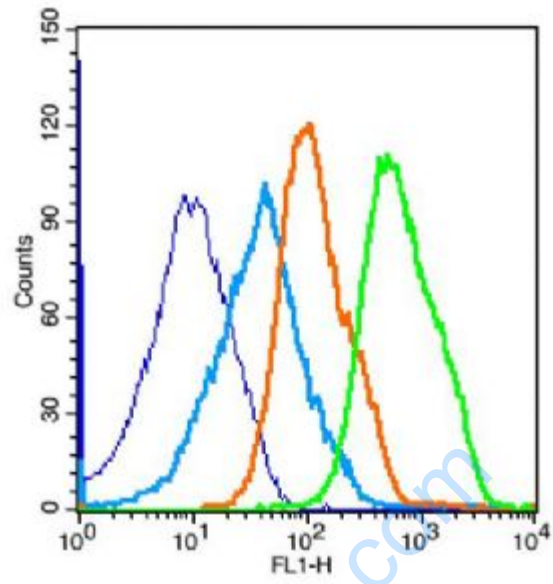
Paraformaldehyde-fixed, paraffin embedded (rat brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MAPK8) Polyclonal Antibody, Unconjugated (SL1640R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (JNK1 + 2 + 3 (Thr183+Tyr185)) Polyclonal Antibody, Unconjugated (SL1640R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Human breast cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MAPK8) Polyclonal Antibody, Unconjugated (SL1640R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Key	Name	Parameter	Gate
—	(mo)Splenocyte-blank.036	FL1-H	G1
—	bs-0295G-FITC-(mo)Sp#1E588E.059	FL1-H	G1
—	bs-0295P-(FITC)-(mo)#1E588F.060	FL1-H	G1
—	bs-1640R-(FITC)-(mo)#1E58A4.070	FL1-H	G1

Blank control: mouse splenocytes(blue)

Isotype Control Antibody: Rabbit IgG(orange) ; Secondary Antibody: Goat anti-rabbit IgG-FITC(white blue), Dilution: 1:100 in 1 X PBS containing 0.5% BSA ;
 Primary Antibody Dilution: 1 μ l in 100 μ l 1X PBS containing 0.5% BSA(green).