

Datasheet for ABIN3042709

anti-JNK antibody (Middle Region)

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Overview

Quantity:	100 µg
Target:	JNK (MAPK8)
Binding Specificity:	AA 344-363, Middle Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This JNK antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Mitogen-activated protein kinase 8(MAPK8) detection. Tested with WB, IHC-P, ICC in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of human MAPK8/9(344-363aa EREHTIEEWKELIYKEVMDL), identical to the related mouse and rat sequences.
Sequence:	EREHTIEEWK ELIYKEVMDL
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Mitogen-activated protein kinase 8(MAPK8) detection. Tested with WB, IHC-P, ICC in Human,Mouse,Rat. Gene Name: Mitogen-activated Protein Kinase 8

Product Details

Protein Name: Mitogen-activated protein kinase 8(MAP kinase 8/MAPK 8)

Purification: Immunogen affinity purified.

Target Details

Target: JNK (MAPK8)

Alternative Name: MAPK8 ([MAPK8 Products](#))

Background: Mitogen-activated protein kinase 8 is an enzyme that in humans is encoded by the MAPK8 gene. The protein encoded by this gene is a member of the MAP kinase family. The International Radiation Hybrid Mapping Consortium mapped the MAPK8 gene to chromosome 10. The single long open reading frame encodes a putative protein kinase with a predicted mass of 44.2 kD. This kinase play a key role in T cell proliferation, apoptosis and differentiation.

Synonyms: JNK-46 antibody|Stress-activated protein kinase 1c antibody

UniProt: [P45983](#)

Pathways: [MAPK Signaling](#), [WNT Signaling](#), [TLR Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Activation of Innate immune Response](#), [Hepatitis C](#), [Toll-Like Receptors Cascades](#), [Signaling of Hepatocyte Growth Factor Receptor](#), [S100 Proteins](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Rat, Predicted Species: Mouse,
Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.
ICC: Concentration: 0.5-1 µg/mL, Tested Species: Human
Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested.
Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P) and ICC.

Restrictions: For Research Use only

Handling

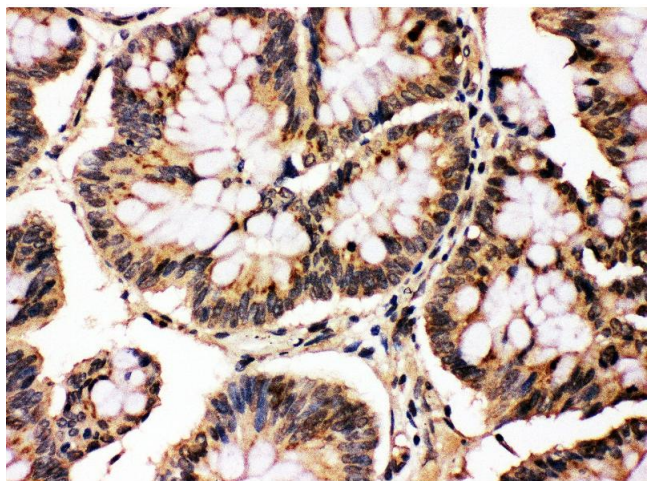
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Expiry Date:	12 months

Publications

Product cited in:	<p>Shangguan, Jiang, Pan, Xiao, Tan, Tie, Qin, Deng, Chen, Wang: "Glucocorticoid mediates prenatal caffeine exposure-induced endochondral ossification retardation and its molecular mechanism in female fetal rats." in: Cell death & disease, Vol. 8, Issue 10, pp. e3157, (2018) (PubMed).</p> <p>Wang, Gao, Wu, Wang, Song, Chen, Zhang, Zhang, Zhang, Yu: "Pseudolaric acid B induced autophagy, but not apoptosis, in MRC5 human fibroblast cells." in: Oncology letters, Vol. 15, Issue 1, pp. 863-870, (2018) (PubMed).</p> <p>Liu, Lv, Ning, Yang, Zhu: "Therapeutic effects of 1,25-dihydroxyvitamin D3 on diabetes-induced liver complications in a rat model." in: Experimental and therapeutic medicine, Vol. 11, Issue 6, pp. 2284-2292, (2016) (PubMed).</p> <p>Bu, Zhao, Zhang, Wang, Li, Yan: "Recombinant Newcastle disease virus (rL-RVG) triggers autophagy and apoptosis in gastric carcinoma cells by inducing ER stress." in: American journal of cancer research, Vol. 6, Issue 5, pp. 924-36, (2016) (PubMed).</p>
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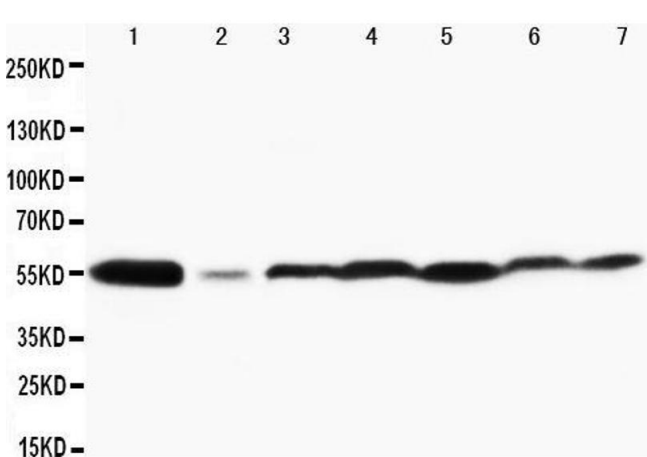
Ding, Zou, Li, Tian, Abdelalim, Du, She, Wang, Tan, Wang, Chen, Lv, Chang: "Study of histopathological and molecular changes of rat kidney under simulated weightlessness and resistance training protective effect." in: **PLoS ONE**, Vol. 6, Issue 5, pp. e20008, (2011) ([PubMed](#)).

Images



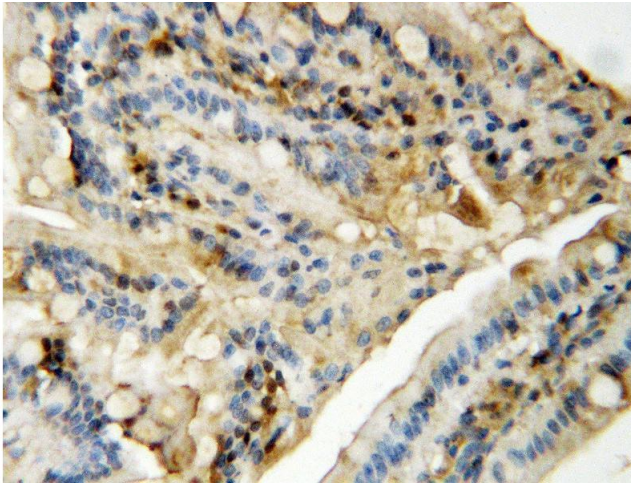
Immunohistochemistry

Image 1. Anti-MAPK8/9 antibody, IHC(P) IHC(P): Human Intestinal Cancer Tissue



Western Blotting

Image 2. Anti-MAPK8/9 antibody, Western blotting Lane 1: Rat Brain Tissue Lysate Lane 2: Rat Thymus Tissue Lysate Lane 3: MCF-7 Cell Lysate Lane 4: HELA Cell Lysate Lane 5: JURKAT Cell Lysate Lane 6: MM231 Cell Lysate Lane 7: CEM Cell Lysate



Immunohistochemistry

Image 3. Anti-MAPK8/9 antibody, IHC(P) IHC(P): Rat Intestine Tissue