

Datasheet for ABIN3020887

anti-JNK antibody (AA 245-345)

8 Images

4 Publications

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Overview

Quantity:	100 µL
Target:	JNK (MAPK8)
Binding Specificity:	AA 245-345
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This JNK antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 245-345 of human JNK1 (NP_620635.1).
Sequence:	CPEFMKKLQP TVRTYVENRP KYAGYSFEKL FPDVLFPADS EHNKLKASQA RDLLSKMLVI DASKRISVDE ALQHPYINVW YDPSEAEAPP PKIPDKQLDE R
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	JNK (MAPK8)
Alternative Name:	MAPK8 (MAPK8 Products)
Background:	<p>The protein encoded by this gene 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 cytochrom 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. Several alternatively spliced transcript variants encoding distinct isoforms have been reported.,MAPK8,JNK,JNK-46,JNK1,JNK1A2,JNK21B1/2,PRKM8,SAPK1,SAPK1c,Cancer,Signal Transduction,Kinase,Serine/threonine kinases,ErbB-HER Signaling Pathway,MAPK-JNK Signaling Pathway,Cell Biology & Developmental Biology,Apoptosis,Mitochondrial Control of Apoptosis,Inhibition of Apoptosis,Death Receptor Signaling Pathway,TGF-b-Smad Signaling Pathway,Endocrine & Metabolism,Insulin Receptor Signaling Pathway,Immunology & Inflammation,B Cell Receptor Signaling Pathway,T Cell Receptor Signaling Pathway,NF-kB Signaling Pathway,Toll-like Receptor Signaling Pathway,Cell Intrinsic Innate Immunity Signaling Pathway,TLR Signaling,Neuroscience,Neurodegenerative Diseases,Dopamine Signaling in Parkinson's Disease,MAPK8</p>
Molecular Weight:	35 kDa/44 kDa/48 kDa
Gene ID:	5599
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

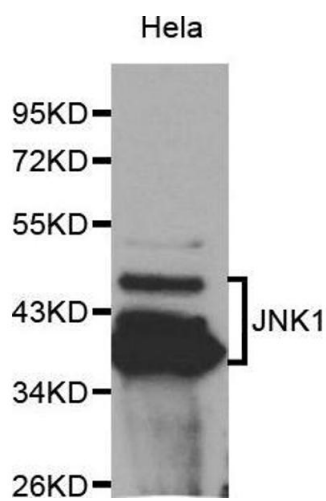
Application Notes:	WB,1:500 - 1:2000,IHC,1:100 - 1:200,IF,1:50 - 1:200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

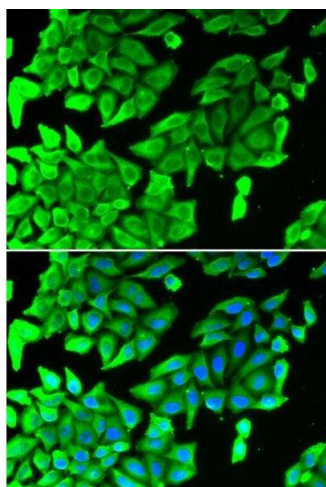
Publications

Product cited in:	<p>He, Zhao, Anees, Li, Ashraf, Chen, Song, Chen, Cao, Ye: "p21-Activated Kinase 4 Signaling Promotes Japanese Encephalitis Virus-Mediated Inflammation in Astrocytes." in: Frontiers in cellular and infection microbiology, Vol. 7, pp. 271, (2018) (PubMed).</p> <p>Li, Yu, Wang, Xu, Chi, Qin, Liu: "The ω-carboxyl group of 7-ketocholesteryl-9-carboxynonanoate mediates the binding of oxLDL to CD36 receptor and enhances caveolin-1 expression in macrophages." in: The international journal of biochemistry & cell biology, Vol. 90, pp. 121-135, (2017) (PubMed).</p> <p>Ma, Li, Yin, Liu, Gao, Lin, Huang, Huang, Li: "Novel role of TRPV2 in promoting the cytotoxicity of H₂O₂-mediated oxidative stress in human hepatoma cells." in: Free radical biology & medicine, Vol. 89, pp. 1003-13, (2016) (PubMed).</p> <p>Zhong, Wang, Liu, Li, Huang, Zhou, Lin, Lin, Yang: "Ganoderma lucidum polysaccharide peptide prevents renal ischemia reperfusion injury via counteracting oxidative stress." in: Scientific reports, Vol. 5, pp. 16910, (2016) (PubMed).</p>
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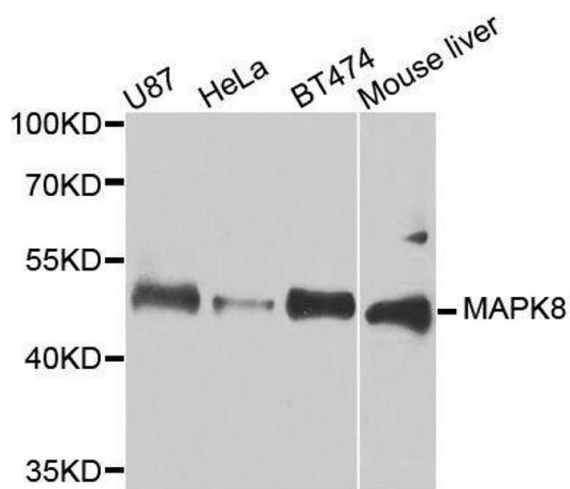
Western Blotting

Image 1.



Immunofluorescence

Image 2.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using MAPK8 antibody.

Please check the [product details page](#) for more images. Overall 8 images are available for ABIN3020887.