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Datasheet for ABIN7101754

anti-JNK antibody

5 Images

Overview

Quantity:	20 µL
Target:	JNK (MAPK8)
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This JNK antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	A synthesized peptide derived from human JNK1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	JNK (MAPK8)
Alternative Name:	MAPK8 (MAPK8 Products)
Background:	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

Target Details

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. [provided by RefSeq, Apr 2016],JNK, JNK-46, JNK1, JNK1A2, JNK21B1/2, PRKM8, SAPK1, SAPK1c,Apoptosis,Apoptosis_Inhibition of Apoptosis,Apoptosis_Mitochondrial Control of Apoptosis,B Cell Receptor Signaling Pathway,Cancer,Cell Biology & Developmental Biology,Cell Intrinsic Innate Immunity Signaling Pathway,Death Receptor Signaling Pathway,Endocrine & Metabolism,ErbB-HER Signaling Pathway,Immunology & Inflammation,Innate Immunity_TLR Signaling,Insulin Receptor Signaling Pathway,Kinase,Kinase_Serine/threonine kinases,MAPK-JNK Signaling Pathway,Neurodegenerative Diseases,Neurodegenerative Diseases_Dopamine Signaling in Parkinsons Disease,Neuroscience,NF-kB Signaling Pathway,Signal Transduction,T Cell Receptor Signaling Pathway,TGF-b-Smad Signaling Pathway,Toll-like Receptor Signaling Pathway,MAPK8

Molecular Weight: 35 kDa/44 kDa/48 kDa

Gene ID: 5599, 5602

UniProt: [P45983](#), [P53779](#)

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,1:50 - 1:200,IF,1:50 - 1:200

Restrictions: For Research Use only

Handling

Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

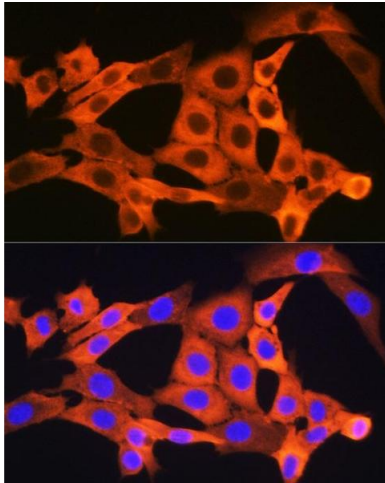
Handling

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

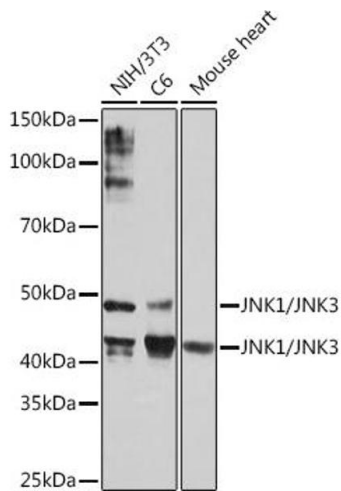
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



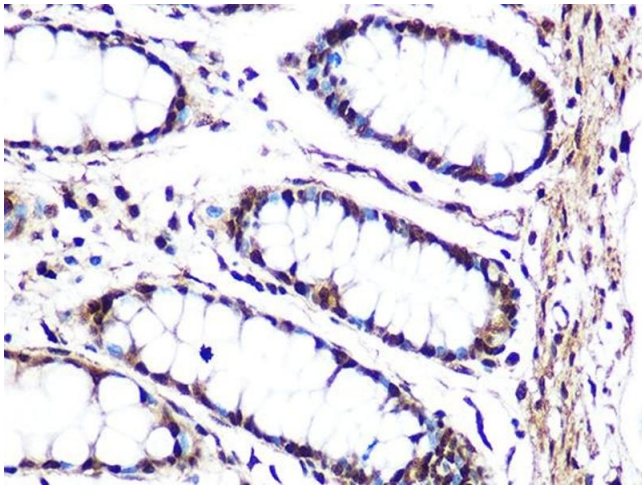
Immunofluorescence

Image 1. Immunofluorescence analysis of NIH-3T3 cells using JNK1/JNK3 Rabbit mAb (ABIN1678909, ABIN7101754, ABIN7101755 and ABIN7101756) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using JNK1/JNK3 Rabbit mAb (ABIN1678909, ABIN7101754, ABIN7101755 and ABIN7101756) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1 min.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human colon using JNK1/JNK3 Rabbit mAb (ABIN1678909, ABIN7101754, ABIN7101755 and ABIN7101756) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7101754.