

Datasheet for ABIN3021849
anti-JNK2 antibody (AA 1-424)[Go to Product page](#)

4 Images

Overview

| | |
|----------------------|-------------------------------------|
| Quantity: | 100 µL |
| Target: | JNK2 (MAPK9) |
| Binding Specificity: | AA 1-424 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This JNK2 antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

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|-------------------|---|
| Immunogen: | Recombinant fusion protein containing a sequence corresponding to amino acids 1-424 of human JNK2 (NP_002743.3). |
| Sequence: | MSDSKCDSQF YSVQVADSTF TVLKRYQQLK PIGSGAQGIV CAAFDTVLGI NVAVKKLSRP FQNQTHAKRA YRELVLLKCV NHKNIISLLN VFTPQKTLEE FQDVYLVMEI MDANLCQVIH MELDHERMSY LLYQMLCGIK HLHSAGIIHR DLKPSNIVVK SDCTLKILDF GLARTACTNF MMTPYVVTRY YRAPEVILGM GYKENVDIWS VGCIMGELVK GCVIFQGTDH IDQWNKVIEQ LGTPSAEFMK KLQPTVRNYV ENRPKYPGK FEELFPDWIF PSESERDKIK TSQARDLLSK MLVIDPDKRI SVDEALRHPY ITVWYDPAEA EAPPPQIYDA QLEEREHAIE EWKELIYKEV MDWEERSKNG VVKDQPSDAA VSSNATPSQS SSINDISSMS TEQTLASDTD SSLDASTGPL EGCR |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse |

Product Details

Characteristics: Polyclonal Antibodies

Purification: Affinity purification

Target Details

Target: JNK2 (MAPK9)

Alternative Name: MAPK9 ([MAPK9 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 cellular processes such as proliferation, differentiation, transcription regulation and development. This kinase targets specific transcription factors, and thus mediates immediate-early gene expression in response to various cell stimuli. It is most closely related to MAPK8, both of which are involved in UV radiation induced apoptosis, thought to be related to the cytochrome c-mediated cell death pathway. This gene and MAPK8 are also known as c-Jun N-terminal kinases. This kinase blocks the ubiquitination of tumor suppressor p53, and thus it increases the stability of p53 in nonstressed cells. Studies of this gene's mouse counterpart suggest a key role in T-cell differentiation. Several alternatively spliced transcript variants encoding distinct isoforms have been reported.,MAPK9,JNK-55,JNK2,JNK2A,JNK2ALPHA,JNK2B,JNK2BETA,PRKM9,SAPK,SAPK1a,p54a,p54aSAPK,Cancer,Tumor biomarkers,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,MAPK9

Molecular Weight: 27 kDa/44 kDa/48 kDa

Gene ID: 5601

UniProt: [P45984](#)

Pathways: [MAPK Signaling](#), [WNT Signaling](#), [TLR Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [Activation of Innate immune Response](#), [Cellular Response to Molecule of Bacterial Origin](#), [Positive Regulation of Endopeptidase Activity](#), [Hepatitis C](#), [Toll-Like Receptors Cascades](#), [BCR Signaling](#), [S100 Proteins](#)

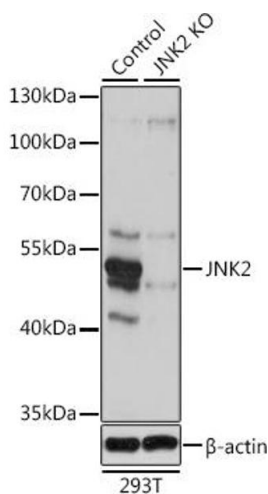
Application Details

| | |
|--------------------|-----------------------|
| Application Notes: | WB,1:500 - 1:2000 |
| Restrictions: | For Research Use only |

Handling

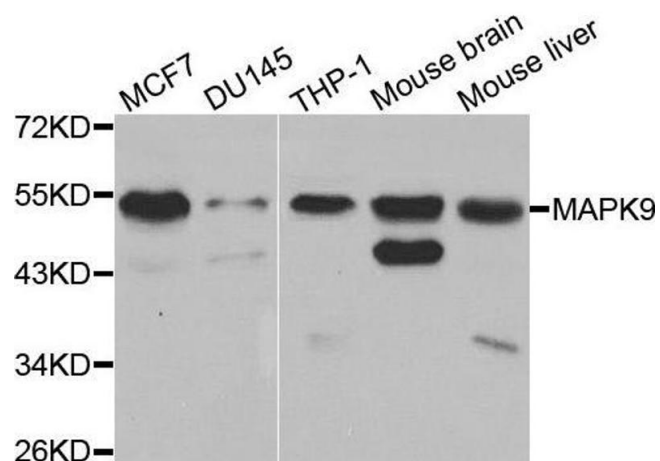
| | |
|--------------------|--|
| Format: | Liquid |
| Buffer: | PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling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

Images



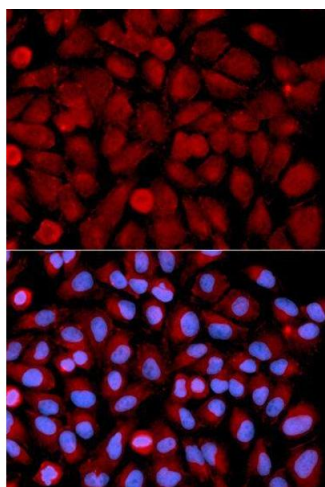
Western Blotting

Image 1. Western blot analysis of extracts from normal (control) and JNK2 knockout (KO) 293T cells, using JNK2 antibody (ABIN3021848, ABIN3021849, ABIN3021850 and ABIN1513115) 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: 1s.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using MAPK9 antibody.



Immunofluorescence

Image 3. Immunofluorescence analysis of U2OS cell using MAPK9 antibody. Blue: DAPI for nuclear staining.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN3021849.