

Product Name: KD-Validated MAPK9 Mouse Monoclonal Antibody**Catalog #: KVA01232**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2,500; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 48.1kDa

Antigen Information

Gene Name	MAPK9
Alternative Names	MAPK9; Mitogen-Activated Protein Kinase 9; JNK2; PRKM9; P54a; SAPK; Stress-Activated Protein Kinase JNK2; Stress-Activated Protein Kinase 1a; C-Jun N-Terminal Kinase; MAP Kinase 9; EC 2.7.11.24; Jun Kinase; JNK-55; SAPK1a; MAPK 9; C-Jun Kinase; JNK2ALPHA; EC 2.7.11; JNK2BETA; P54aSAPK; SAPK1A; JNK2A; JNK2B
Gene ID	5601.0
SwissProt ID	P45984
Immunogen	Recombinant protein of human MAPK9

Background

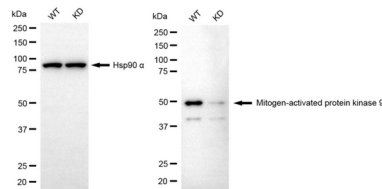
The protein encoded by this gene is a member of the MAP kinase family. MAP kinases act as an integration point for multiple

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. [provided by RefSeq, Sep 2008]

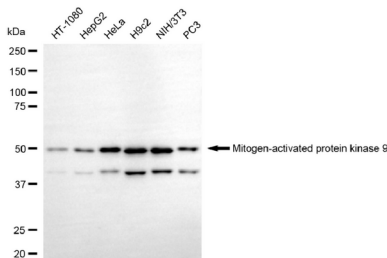
Research Area

Signal Transduction,Cell Biology,Cancer,Immunology,Metabolism

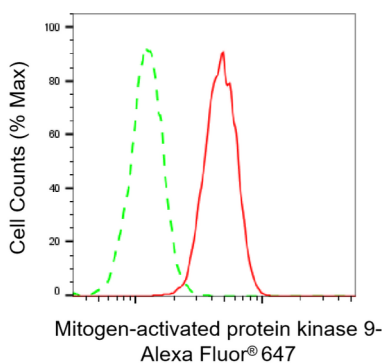
Image Data



Western blotting analysis using mitogen-activated protein kinase 9 antibody (KVA01232). Mitogen-activated protein kinase 9 expression in wild-type (WT) and mitogen-activated protein kinase 9 (MAPK9) knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with mitogen-activated protein kinase 9 antibody (KVA01232, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using mitogen-activated protein kinase 9 antibody (KVA01232). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with mitogen-activated protein kinase 9 antibody (KVA01232, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Flow cytometric analysis of Mitogen-activated protein kinase 9 expression in HeLa cells using Mitogen-activated protein kinase 9 antibody (KVA01232, 1:2,000). Green, isotype control; red, Mitogen-activated protein kinase 9.