

Mouse JNK1 Monoclonal Antibody | anti-JNK1 antibody

JNK1 (C-terminal region) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71652	Mouse	Human, Rat, Mouse	Immunohistochemistry, Immunocytochemistry, ELISA, Western Blot

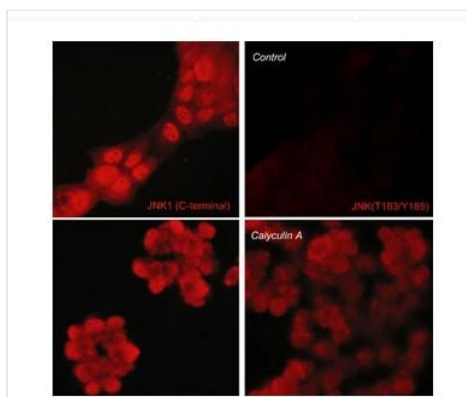
PRODUCT SYNONYMS

JNK1; Monoclonal Antibody; JNK1 (C-terminal region) Antibody; JNK1 (C-terminal region); anti-JNK1 antibody

PRODUCT SPECIFICATIONS

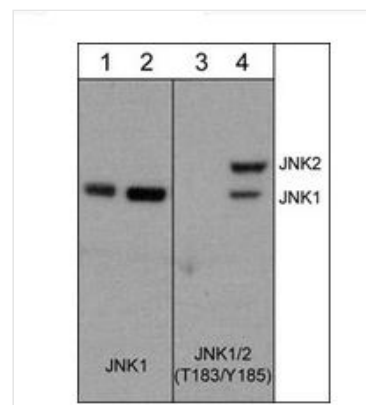
Host	Mouse
Reactivity	Human, Rat, Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	M267
Specificity	This antibody detects a 46kDa* protein corresponding to the apparent molecular mass of JNK1 on SDS-PAGE immunoblots of human A431 and HeLa, as well as rat PC12 cells.
Purity/Purification	Protein A chromatography
Form/Format	Mouse monoclonal purified with protein A chromatography is supplied in 100ul phosphate-buffered saline, 50% glycerol, 1mg/ml BSA, and 0.05% sodium azide.
Applicable Applications for anti-JNK1 antibody	IHC (Immunohistochemistry), ICC (Immunocytochemistry), ELISA, WB (Western Blot)
Immunogen	Clone M267 was generated from a recombinant protein corresponding to amino acid residues in the C-terminal region of human JNK1. This sequence has high homology to rat and mouse JNK1, and has homology to similar regions in JNK2 and JNK3.
Preparation and Storage	Store at -20 degree C. Stable for 1 year.

IMAGES



ICC (Immunocytochemistry)

Immunocytochemical labeling of JNK in control (Top row) or calyculin A-treated A431 cells (Bottom row). The cells were labeled with mouse monoclonal JNK (C-terminal region) (Left) or mouse monoclonal JNK (Thr-183/Tyr-185) (Right). The antibodies were detected using goat anti-mouse DyLight 594.



WB (Western Blot)

Western blot analysis of PC12 cells untreated (lanes 1 & 3) or treated with calyculin A (100nM) for 30 minutes (lanes 2 & 4). The blot was probed with anti-JNK1 (lanes 1 & 2) or anti-JNK1 (T183/Y185) (lanes 3 & 4).

ADDITIONAL INFORMATION

Related Product Information for anti-JNK1 antibody	The stress-activated protein kinases (SAPK) or Jun-amino-terminal kinases (JNK) are potently activated by stressors such as UV and gamma radiation. Similar to other MAP Kinases, the core signaling unit is composed of a MAPKKK, usually MEKK1-4 or a mixed lineage kinase (MLK), which phosphorylate and activate MKK4-7, leading to dual phosphorylation and activation of JNK kinases. Rho-GTPases (Rac1 and cdc42) can stimulate MEKKs and MLKs, while MKKs can be activated by a GTPase-independent pathway that involves the germinal center kinase family. There are three JNK genes (JNK1, 2, 3) with further diversification resulting from alternative splicing. Active JNK dimers can translocate to the nucleus to regulate transcription through phosphorylation of c-Jun, ATF-2 and other transcription factors.
References	Davis, R.J. (1999) Biochem. Soc. Symp. 64:1. Ichijo, H. (1999) Oncogene 18:6087. Kyriakis, J.M. (1999) J. Biol. Chem. 274:5259. Whitmarsh, A.J. & Davis, R.J. (1998) Trends Biochem. Sci. 23:481.

NCBI AND UNIPROT INFORMATION

NCBI GI #	2507195
NCBI GeneID	5599
UniProt Accession #	P45983; Q15709; Q15712; Q15713; Q308M2; B5BTZ5; B7ZLV4; D3DX88; D3DX92
Molecular Weight	427
NCBI Official Full Name	Mitogen-activated protein kinase 8
NCBI Official Synonym Full Names	mitogen-activated protein kinase 8
NCBI Official Symbol	MAPK8
NCBI Official Synonym Symbols	JNK; JNK1; PRKM8; SAPK1; JNK-46; JNK1A2; SAPK1c; JNK21B1/2
NCBI Protein Information	mitogen-activated protein kinase 8; MAP kinase 8; JUN N-terminal kinase; c-Jun N-terminal kinase 1; stress-activated protein kinase 1; stress-activated protein kinase 1c; mitogen-activated protein kinase 8 isoform JNK1 beta2; mitogen-activated protein kin
UniProt Protein Name	Mitogen-activated protein kinase 8
UniProt Gene Name	MAPK8
UniProt Synonym Gene Names	JNK1; PRKM8; SAPK1; SAPK1C; MAP kinase 8; MAPK 8; SAPK1c
UniProt Entry Name	MK08_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/jnk1-antibody-clone-m267-immunohistochemistry-immunocytochemistry-western-blot-elisa/71652>