

Mouse JNK Monoclonal Antibody | anti-JNK antibody

JNK (Thr-183/Tyr-185), phospho-specific Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71653	Mouse	Human, Rat, Mouse	Immunocytochemistry, ELISA, Western Blot

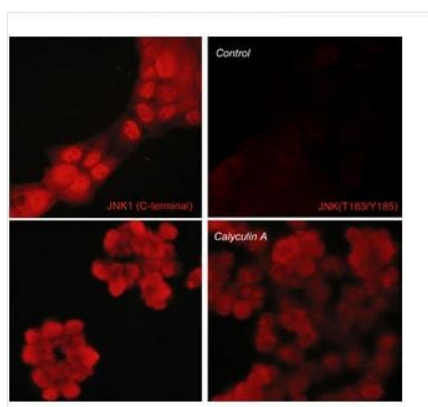
PRODUCT SYNONYMS

JNK; Monoclonal Antibody; JNK (Thr-183/Tyr-185); phospho-specific Antibody; phospho-specific; anti-JNK antibody

PRODUCT SPECIFICATIONS

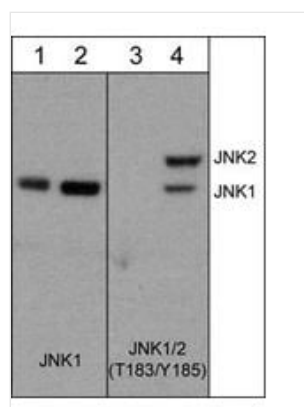
Host	Mouse
Reactivity	Human, Rat, Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	M268
Specificity	This antibody detects 46 and 54kDa* proteins corresponding to the apparent molecular mass of JNK1 and JNK2 on SDS-PAGE immunoblots of human A431 and HeLa cells, as well as rat PC12 cells treated with calyculin A.
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-JNK antibody	ICC (Immunocytochemistry), ELISA, WB (Western Blot)
Immunogen	Clone M268 was generated from a dual phosphorylated peptide corresponding to amino acid residues surrounding Thr-183 and Tyr-185 in human JNK1. This sequence has high homology to the conserved site in rat and mouse JNK1 and JNK2.
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-JNK 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/jnk-antibody-clone-m268-immunocytochemistry-western-blot-elisa/71653>