

Rabbit MAPK8 Polyclonal Antibody | anti-MAPK8 antibody

MAPK8 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283974	Rabbit	Human (Predicted Reactivity: Rat)	Western Blot, Immunohistochemistry, ELISA, Immunofluorescence

PRODUCT SYNONYMS

MAPK8; Polyclonal Antibody; MAPK8 Antibody (C-term); Mitogen-activated protein kinase 8; MAP kinase 8; MAPK 8; JNK-46; Stress-activated protein kinase 1c; SAPK1c; Stress-activated protein kinase JNK1; c-Jun N-terminal kinase 1; JNK1; PRKM8; SAPK1; SAPK1C; anti-MAPK8 antibody

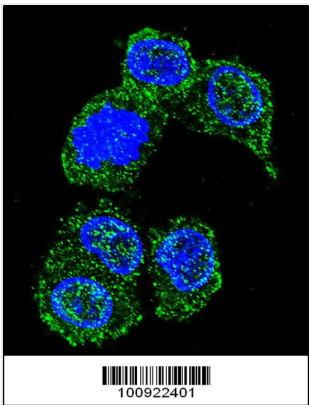
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MAPK8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 358-389 amino acids from the C-terminal region of human MAPK8.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	358-389
Sequence Length	427
Applicable Applications for anti-MAPK8 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA, IF (Immunofluorescence)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

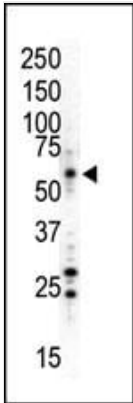
IMAGES



IHC (Immunohistochemisry)
MAPK8 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human breast tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of MAPK8 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



IF (Immunofluorescence)
Confocal immunofluorescent analysis of MAPK8 Antibody (C-term) with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



WB (Western Blot)
Western blot analysis of anti-JNK1 Pab in HL60 (UV-treated) cell lysate. JNK1 (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-MAPK8 antibody	JNK1 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 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.
Product Categories/Family for anti-MAPK8 antibody	Cancer; Immunology; Neuroscience; Signal transduction
References	Deng, Y., et al., Cell 115(1):61-70 (2003). Luo, W., et al., J. Biol. Chem. 278(39):37451-37458 (2003). Ghosh, J., Biochem. Biophys. Res. Commun. 307(2):342-349 (2003). Utsugi, M., et al., J. Immunol. 171(2):628-635 (2003). Vivo, C., et al., J. Biol. Chem. 278(28):25461-25467 (2003).

NCBI AND UNIPROT INFORMATION

NCBI GI #	513788279
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NCBI GeneID	5599
NCBI Accession #	NP_001265476.1; NP_002741.1; NP_620634.1; NP_620637.1
NCBI GenBank Nucleotide #	NM_001278547.1
UniProt Accession #	P45983; Q15709; Q15712; Q15713; Q308M2; B5BTZ5; B7ZLV4; D3DX88; D3DX92
Molecular Weight	48296
NCBI Official Full Name	mitogen-activated protein kinase 8 JNK1 beta2
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
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/mapk8-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/283974>