

Rabbit anti-Human JNK2 (MAPK9) Polyclonal Antibody | anti-MAPK9 antibody

JNK2 (MAPK9) Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289192	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

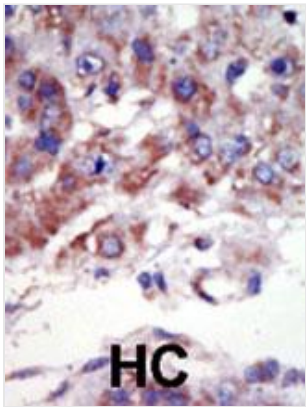
PRODUCT SYNONYMS

JNK2 (MAPK9); Polyclonal Antibody; JNK2 (MAPK9) Antibody (C-term); Mitogen-activated protein kinase 9; MAP kinase 9; MAPK 9; JNK-55; Stress-activated protein kinase 1a; SAPK1a; Stress-activated protein kinase JNK2; c-Jun N-terminal kinase 2; MAPK9; JNK2; PRKM9; SAPK1A; anti-MAPK9 antibody

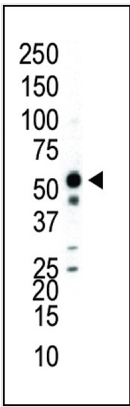
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This JNK2 (MAPK9) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 349-379 amino acids from the C-terminal region of human JNK2 (MAPK9).
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 purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	349-379
Sequence Length	242
Applicable Applications for anti-MAPK9 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
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 (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
Western blot analysis of anti-JNK2 Pab in Jurkat cell lysate. JNK2 (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-MAPK9 antibody	JNK2 responds to activation by environmental stress and pro-inflammatory cytokines by phosphorylating a number of transcription factors, primarily components of AP-1 such as c-Jun and ATF2 and thus regulates AP-1 transcriptional activity. In T-cells, JNK1 and JNK2 are required for polarized differentiation of T-helper cells into Th1 cells. JNK2 isoforms display different binding patterns: alpha-1 and alpha-2 preferentially bind to c-Jun, whereas beta-1 and beta-2 bind to ATF2. However, there is no correlation between binding and phosphorylation, which is achieved at about the same efficiency by all isoforms. JUNB is not a substrate for JNK2 alpha-2, and JUND binds only weakly to it. JNK2 is activated by threonine and tyrosine phosphorylation by either of two dual specificity kinases, MAP2K4 and MAP2K7. It is inhibited by dual specificity phosphatases, such as DUSP1. The protein has been shown to bind to at least three scaffolding proteins, MAPK8IP1/JIP-1, MAPK8IP2/JIP-2 and MAPK8IP3/JIP-3/JSAP1. These proteins also bind other components of the JNK signaling pathway
Product Categories/Family for anti-MAPK9 antibody	Cancer; Cell biology; Immunology; Metabolism; Signal transduction
References	Gupta, S., et al., EMBO J. 15(11):2760-2770 (1996). Sluss, H.K., et al., Mol. Cell. Biol. 14(12):8376-8384 (1994). Kallunki, T., et al., Genes Dev. 8(24):2996-3007 (1994). Fleming, Y., et al., Biochem. J. 352 Pt 1, 145-154 (2000).

NCBI AND UNIPROT INFORMATION

NCBI GI #	205277412
NCBI GeneID	5601
NCBI Accession #	NP_001128516.1; NP_002743.3; NP_620707.1; NP_620708.1; NP_620709.1
NCBI GenBank Nucleotide #	NM_001135044.1
UniProt Accession #	P45984; Q15708; Q15710; Q15711; Q8N5C5; A8K0S3; B5BU66; B5M0B4; D3DWQ8; D3DWQ9
Molecular Weight	48139
NCBI Official Full Name	mitogen-activated protein kinase 9 isoform JNK2 gamma
NCBI Official Synonym Full Names	mitogen-activated protein kinase 9
NCBI Official Symbol	MAPK9
NCBI Official Synonym Symbols	JNK2; SAPK; p54a; JNK2A; JNK2B; PRKM9; JNK-55; SAPK1a; JNK2BETA; p54aSAPK; JNK2ALPHA
NCBI Protein Information	mitogen-activated protein kinase 9

UniProt Protein Name	Mitogen-activated protein kinase 9
UniProt Gene Name	MAPK9
UniProt Synonym Gene Names	JNK2; PRKM9; SAPK1A; MAP kinase 9; MAPK 9; SAPK1a
UniProt Entry Name	MK09_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/polyclonal/jnk2-mapk9-antibody-immunohistochemistry-western-blot-elisa/289192>