

Rabbit JNK/SAPK Polyclonal Antibody | anti-MAPK9 antibody

Phospho-JNK/SAPK(Thr183/Tyr185)

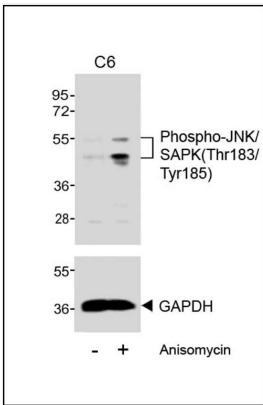
CATALOG # AAA290748	HOST Rabbit	REACTIVITY Rat Predicted: Chicken, Mouse, Rat	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

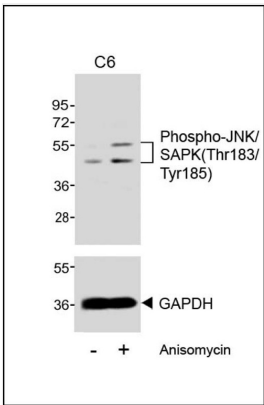
JNK/SAPK; Polyclonal Antibody; Phospho-JNK/SAPK(Thr183/Tyr185); Mitogen-activated protein kinase 9; MAP kinase 9; MAPK 9; 2.7.11.24; JNK-55; Stress-activated protein kinase 1a; SAPK1a; Stress-activated protein kinase JNK2; c-Jun N-terminal kinase 2; MAPK9; JNK2; PRKM9; SAPK1A; Purified Rabbit Polyclonal Antibody (Pab); anti-MAPK9 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Rat Predicted: Chicken, Mouse, Rat
Clonality	Polyclonal
Isotype	Ig
Specificity	This antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 157-189 amino acids from human.
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	0.25 (varies by lot)
Sequence Length	424
Applicable Applications for anti-MAPK9 antibody	ELISA, WB (Western Blot)
Cellular Location	Cytoplasm. Nucleus
Antigen Type	Synthesized Peptide
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
Western blot analysis of extracts from C6 cells, untreated or treated with anisomycin (25 ug/ml), using Phospho-JNK/SAPK(Thr183/Tyr185) (upper) or GAPDH (lower).



WB (Western Blot)
Western blot analysis of extracts from C6 cells, untreated or treated with anisomycin (25 ug/ml), using Phospho-JNK/SAPK(Thr183/Tyr185) (upper) or GAPDH (lower).

ADDITIONAL INFORMATION

Related Product Information for anti-MAPK9 antibody	Serine/threonine-protein kinase involved in various processes such as cell proliferation, differentiation, migration, transformation and programmed cell death. Extracellular stimuli such as proinflammatory cytokines or physical stress stimulate the stress-activated protein kinase/c-Jun N-terminal kinase (SAP/JNK) signaling pathway. In this cascade, two dual specificity kinases MAP2K4/MKK4 and MAP2K7/MKK7 phosphorylate and activate MAPK9/JNK2. In turn, MAPK9/JNK2 phosphorylates a number of transcription factors, primarily components of AP-1 such as JUN and ATF2 and thus regulates AP-1 transcriptional activity. In response to oxidative or ribotoxic stresses, inhibits rRNA synthesis by phosphorylating and inactivating the RNA polymerase 1-specific transcription initiation factor RRN3. Promotes stressed cell apoptosis by phosphorylating key regulatory factors including TP53 and YAP1. In T-cells, MAPK8 and MAPK9 are required for polarized differentiation of T-helper cells into Th1 cells. Upon T-cell receptor (TCR) stimulation, is activated by CARMA1, BCL10, MAP2K7 and MAP3K7/TAK1 to regulate JUN protein levels. Plays an important role in the osmotic stress-induced epithelial tight-junctions disruption. When activated, promotes beta-catenin/CTNNB1 degradation and inhibits the canonical Wnt signaling pathway. Participates also in neurite growth in spiral ganglion neurons. Phosphorylates the CLOCK-ARNTL/BMAL1 heterodimer and plays a role in the regulation of the circadian clock (PubMed:22441692).
Product Categories/Family for anti-MAPK9 antibody	Cancer; Cell Biology; Immunology; Metabolism; Neuroscience; Signal Transduction
References	Sluss H.K.,et al.Mol. Cell. Biol. 14:8376-8384(1994). Kallunki T.,et al.Genes Dev. 8:2996-3007(1994). Gupta S.,et al.EMBO J. 15:2760-2770(1996). Wang P.,et al.BMB Rep. 43:738-743(2010). Halleck A.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.

NCBI AND UNIPROT INFORMATION

NCBI GI #	85700366
NCBI GeneID	5601
UniProt Accession #	P45984; Q15708; Q15710; Q15711; Q8N5C5; A8K0S3; B5BU66; B5M0B4; D3DWQ8; D3DWQ9
Molecular Weight	48139 Da
NCBI Official Full Name	Mitogen-activated protein kinase 9
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/jnk-sapk-antibody-western-blot-elisa/290748>