

Rabbit MAP3K9 Polyclonal Antibody | anti-MAP3K9 antibody

MAP3K9 Antibody (N-term)

CATALOG # AAA286870	HOST Rabbit	REACTIVITY Human (Predicted Reactivity: Mouse)	APPLICATIONS Western Blot, Immunohistochemistry, ELISA
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PRODUCT SYNONYMS

MAP3K9; Polyclonal Antibody; MAP3K9 Antibody (N-term); Mitogen-activated protein kinase kinase kinase 9; Mixed lineage kinase 1; MLK1; PRKE1; anti-MAP3K9 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MAP3K9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 159-189 amino acids from the N-terminal region of human MAP3K9.
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: 0.49 (varies by lot)
Sequence Positions	159-189
Sequence Length	1118
Applicable Applications for anti-MAP3K9 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
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 (Immunohistochemistry)

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)

MAP3K9 Antibody (N-term) western blot analysis in SW480 cell line lysates (35ug/lane). This demonstrates the MAP3K9 antibody detected the MAP3K9 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-MAP3K9 antibody	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the γ phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains. The STE group (homologs of yeast Sterile 7, 11, 20 kinases) consists of 50 kinases related to the mitogen-activated protein kinase (MAPK) cascade families (Ste7/MAP2K, Ste11/MAP3K, and Ste20/MAP4K). MAP kinase cascades, consisting of a MAPK and one or more upstream regulatory kinases (MAPKKs) have been best characterized in the yeast pheromone response pathway. Pheromones bind to Ste cell surface receptors and activate yeast MAPK pathway.
Product Categories/Family for anti-MAP3K9 antibody	Crown Antibodies; Cell Biology; Signal Transduction
References	Dorow, D.S., et al., Eur. J. Biochem. 213(2):701-710 (1993).

NCBI AND UNIPROT INFORMATION

NCBI GI #	52421790
NCBI GeneID	4293
NCBI Accession #	NP_149132.2
NCBI GenBank Nucleotide #	NM_033141.3
UniProt Accession #	P80192; Q0D2G7; Q6EH31; Q9H2N5; A3KN85
Molecular Weight	121895
NCBI Official Full Name	mitogen-activated protein kinase kinase kinase 9 isoform 1
NCBI Official Synonym Full Names	mitogen-activated protein kinase kinase kinase 9
NCBI Official Symbol	MAP3K9
NCBI Official Synonym Symbols	MLK1; MEKK9; PRKE1
NCBI Protein Information	mitogen-activated protein kinase kinase kinase 9
UniProt Protein Name	Mitogen-activated protein kinase kinase kinase 9
UniProt Gene Name	MAP3K9
UniProt Synonym Gene Names	MLK1; PRKE1
UniProt Entry Name	M3K9_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.