

Goat MAP4K1 / HPK1 Polyclonal Antibody | anti-MAP4K1 antibody

Goat Polyclonal to Human MAP4K1 / HPK1

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51066	Goat	Gorilla, Human Predicted Reactivity: Gibbon, Monkey, Bat, Bovine, Dog, Pig (at least 90% immunogen sequence identity)	ELISA, Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

MAP4K1 / HPK1; Polyclonal Antibody; Goat Polyclonal to Human MAP4K1 / HPK1; Anti-MAP4K1 / HPK1 Antibody (N-Terminus) IHC-plus; MAP4K1; HPK1; MEKKK 1; MEK kinase kinase 1; MHPK1; Human MAP4K1; anti-MAP4K1 antibody

PRODUCT SPECIFICATIONS

Host	Goat
Reactivity	Gorilla, Human Predicted Reactivity: Gibbon, Monkey, Bat, Bovine, Dog, Pig (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human MAP4K1. This antibody is expected to recognise isoform 1 (NP_001036065.1) and isoform 2 (NP_009112.1).
Purity/Purification	Immunoaffinity Purified
Form/Format	Tris-buffered saline, pH 7.3, 0.5% BSA, 0.02% sodium azide
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	833
Applicable Applications for anti-MAP4K1 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic peptide DVVDPDIFNRDPR-C from the N-terminus of human MAP4K1 (NP_001036065.1; NP_009112.1). Percent identity by BLAST analysis: Human, Gorilla (100%); Gibbon, Monkey, Dog, Bat, Bovine, Pig (92%); Elephant, Panda, Horse (85%).
Immunogen Type	Synthetic peptide
Immunogen	MAP4K1 / HPK1 antibody was raised against synthetic peptide DVVDPDIFNRDPR-C from the N-terminus of human MAP4K1 (NP_001036065.1; NP_009112.1). Percent identity by BLAST analysis: Human, Gorilla (100%); Gibbon, Monkey, Dog, Bat, Bovine, Pig (92%); Elephant, Panda, Horse (85%).
Antigen Modification	N-Terminus
Preparation and Storage	Store at -20 degree C. Minimize freezing and thawing.

IMAGES



WB (Western Blot)
Staining (0.5 ug/ml) of Jurkat lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by chemiluminescence.



IHC (Immunohistochemistry)
Anti-MAP4K1 antibody IHC of human thymus. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 2.5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-MAP4K1 antibody	HPK1, a KHS protein kinase, is an upstream activator of the stress-activated protein kinase (SAPK) signaling pathway. The protein has a structure similar to other GCK (Group I) kinases and contains four consensus SH3 binding motifs, which have been shown to interact with the SH3 motifs of the MAP kinase kinase kinases MLK3 and MEKK1 and several adapter proteins that couple to tyrosine kinases, including BASH, Blnk, Clnk, Crk, CrkL and Grb2.
Product Categories/Family for anti-MAP4K1 antibody	Family: Protein Kinase; Subfamily: KHS

NCBI AND UNIPROT INFORMATION

NCBI GI #	6005810
NCBI GeneID	11184
NCBI Accession #	NP_009112.1
NCBI GenBank Nucleotide #	NM_007181.5
UniProt Accession #	Q92918
Molecular Weight	90,425 Da
NCBI Official Full Name	mitogen-activated protein kinase kinase kinase kinase 1 isoform 2
NCBI Official Synonym Full Names	mitogen-activated protein kinase kinase kinase kinase 1
NCBI Official Symbol	MAP4K1
NCBI Official Synonym Symbols	HPK1
NCBI Protein Information	mitogen-activated protein kinase kinase kinase kinase 1; MEKKK 1; MEK kinase kinase 1; MAPK/ERK kinase kinase kinase 1; hematopoietic progenitor kinase 1
UniProt Protein Name	Mitogen-activated protein kinase kinase kinase kinase 1
UniProt Gene Name	MAP4K1
UniProt Synonym Gene Names	HPK1; MEK kinase kinase 1; MEKKK 1
UniProt Entry Name	M4K1_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.