

Rabbit anti-Human MAP4K3 Polyclonal Antibody | anti-MAP4K3 antibody

MAP4K3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283610	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

MAP4K3; Polyclonal Antibody; MAP4K3 Antibody; Mitogen-activated protein kinase kinase kinase 3; Germinal center kinase-related protein kinase; GLK; MAPK/ERK kinase kinase kinase 3; MEK kinase kinase 3; MEKKK 3; RAB8IPL1; anti-MAP4K3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MAP4K3 antibody is generated from rabbits immunized with a recombinant protein of human MAP4K3.
Purity/Purification	Peptide Affinity 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 Length	873
Applicable Applications for anti-MAP4K3 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Recombinant Protein
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



FCM/FACS (Flow Cytometry)

MAP4K3 Antibody flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

MAP4K3 Antibody IHC analysis in formalin fixed and paraffin embedded brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the MAP4K3 Antibody for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of MAP4K3 Antibody in HepG2 cell line lysates (35ug/lane). MAP4K3 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-MAP4K3 antibody	MAP4K3 encodes a member of the Ste20 family of serine/threonine protein kinases. The protein belongs to the subfamily that consists of members, such as germinal center kinase (GCK), that are characterized by an N-terminal catalytic domain and C-terminal regulatory domain. The kinase activity of the encoded protein can be stimulated by UV radiation and tumor necrosis factor-alpha. The protein specifically activates the c-Jun N-terminal kinase (JNK) signaling pathway. Evidence suggests that it functions upstream of mitogen-activated protein kinase kinase kinase 1 (MEKK1). This gene previously was referred to as RAB8-interacting protein-like 1 (RAB8IPL1), but it has been renamed mitogen-activated protein kinase kinase kinase 3 (MAP4K3).
Product Categories/Family for anti-MAP4K3 antibody	Cancer; Metabolism; Signal Transduction
References	Yan, L., et al. Mol. Cell 37(5):633-642(2010) Ichikawa, S., et al. J. Bone Miner. Res. (2010) In press : Lam, D., et al. Proc. Natl. Acad. Sci. U.S.A. 106(29):11978-11983(2009) Wu, C., et al. Proteomics 7(11):1775-1785(2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	394025669
NCBI GeneID	8491
NCBI Accession #	NP_001257354.1; NP_003609.2
NCBI GenBank Nucleotide #	NM_001270425.1
UniProt Accession #	Q8IVH8; Q6IQ39; Q8IVH7; Q9UDM5; Q9Y6R5
Molecular Weight	101316
NCBI Official Full Name	mitogen-activated protein kinase kinase kinase kinase 3 isoform 2
NCBI Official Synonym Full Names	mitogen-activated protein kinase kinase kinase kinase 3
NCBI Official Symbol	MAP4K3
NCBI Official Synonym Symbols	GLK; MEKKK3; MEKKK 3; MAPKKKK3; RAB8IPL1
NCBI Protein Information	mitogen-activated protein kinase kinase kinase kinase 3
UniProt Protein Name	Mitogen-activated protein kinase kinase kinase kinase 3
UniProt Gene Name	MAP4K3
UniProt Synonym Gene Names	RAB8IPL1; GLK; MEK kinase kinase 3; MEKKK 3
UniProt Entry Name	M4K3_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.