

Rabbit anti-Human, Mouse MAP2K7 Polyclonal Antibody | anti-MAP2K7 antibody

MAP2K7 (Ab-271) Antibody

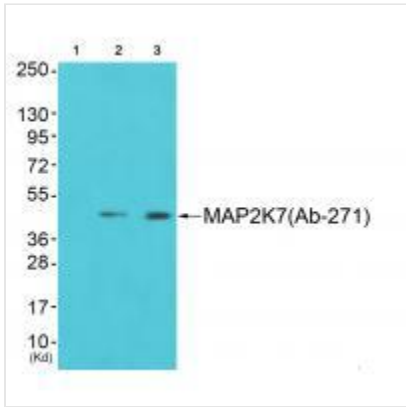
CATALOG # AAA307635	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

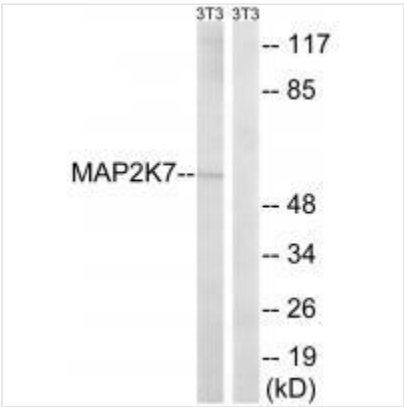
MAP2K7; Polyclonal Antibody; MAP2K7 (Ab-271) Antibody; EC 2.7.11.25; kinase TAK1; M3K7; MAP3K7; Mitogen-activated protein kinase kinase kinase 7; anti-MAP2K7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total MAP2K7 protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	579
Applicable Applications for anti-MAP2K7 antibody	WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized non-phosphopeptide derived from human MAP2K7 around the phosphorylation site of serine 271 (V-D-S(p)-K-A).
Target Name	MAP2K7
Preparation and Storage	Store at -20 degree C



WB (Western Blot)
Western blot analysis of extracts from 293 cells (Lane 2) and cos-7 cells (Lane 3), using MAP2K7 (Ab-271) antibody. The lane on the left is treated with synthesized peptide.



WB (Western Blot)
Western blot analysis of extracts from HeLa cells, using MAP2K7 (Ab-271) antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MAP2K7 antibody	Serine/threonine kinase which acts as an essential component of the MAP kinase signal transduction pathway. Plays an important role in the cascades of cellular responses evoked by changes in the environment. Mediates signal transduction of TRAF6, various cytokines including interleukin-1 (IL-1), transforming growth factor-beta (TGFB), TGFB-related factors like BMP2 and BMP4, toll-like receptors (TLR), tumor necrosis factor receptor CD40 and B-cell receptor (BCR). Ceramides are also able to activate MAP3K7/TAK1. Once activated, acts as an upstream activator of the MKK/JNK signal transduction cascade and the p38 MAPK signal transduction cascade through the phosphorylation and activation of several MAP kinase kinases like MAP2K1/MEK1, MAP2K3/MKK3, MAP2K6/MKK6 and MAP2K7/MKK7. These MAP2Ks in turn activate p38 MAPKs, c-jun N-terminal kinases (JNKs) and I-kappa-B kinase complex (IKK). Both p38 MAPK and JNK pathways control the transcription factors activator protein-1 (AP-1), while nuclear factor-kappa B is activated by IKK. MAP3K7 activates also IKBKB and MAPK8/JNK1 in response to TRAF6 signaling and mediates BMP2-induced apoptosis. In osmotic stress signaling, plays a major role in the activation of MAPK8/JNK1, but not that of NF-kappa-B. Promotes TRIM5 capsid-specific restriction activity.Sakurai H., Biochem. Biophys. Res. Commun. 243:545-549(1998).Mungall A.J., Nature 425:805-811(2003).The MGC Project Team; Genome Res. 14:2121-2127(2004).
Product Categories/Family for anti-MAP2K7 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507361
NCBI GeneID	6885
NCBI Accession #	NP_003179.1
NCBI GenBank Nucleotide #	NM_003188.3
UniProt Accession #	O43318; O43317; O43319; Q5TDN2; Q5TDN3; Q5TDT7; Q9NTR3; Q9NZ70; B2RE27; E1P523
Molecular Weight	53,740 Da
NCBI Official Full Name	mitogen-activated protein kinase kinase kinase 7 isoform A
NCBI Official Synonym Full Names	mitogen-activated protein kinase kinase kinase 7
NCBI Official Symbol	MAP3K7
NCBI Official Synonym Symbols	TAK1; MEKK7; TGF1a
NCBI Protein Information	mitogen-activated protein kinase kinase kinase 7
UniProt Protein Name	Mitogen-activated protein kinase kinase kinase 7

UniProt Gene Name	MAP3K7
UniProt Synonym Gene Names	TAK1; TGF-beta-activated kinase 1
UniProt Entry Name	M3K7_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/map2k7-antibody-western-blot-elisa/307635>