

Rabbit MAP2K7 (Phospho-Thr275) Polyclonal Antibody | anti-MAP2K7 antibody

MAP2K7 (Phospho-Thr275) Antibody

CATALOG # AAA284954	HOST Rabbit	REACTIVITY Human, mouse, rat	APPLICATIONS ELISA, Western Blot
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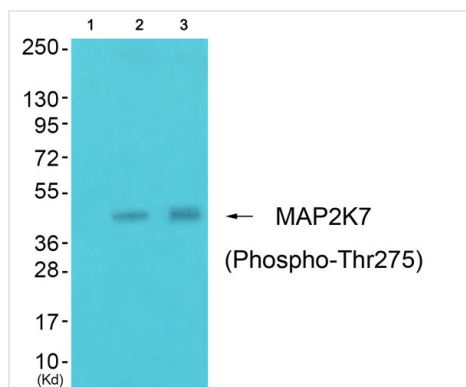
PRODUCT SYNONYMS

MAP2K7 (Phospho-Thr275); Polyclonal Antibody; MAP2K7 (Phospho-Thr275) Antibody; Dual specificity mitogen-activated protein kinase kinase 7; MAP kinase kinase 7; MAPKK 7; JNK-activating kinase 2; MAPK/ERK kinase 7; MEK 7; Stress-activated protein kinase kinase 4; SAPK kinase 4; SAPKK-4; SAPKK4; c-Jun N-terminal kinase kinase 2; JNK kinase 2; JNKK 2; MAP2K7; JNKK2; MEK7; MKK7; PRKMK7; SKK4; anti-MAP2K7 antibody

PRODUCT SPECIFICATIONS

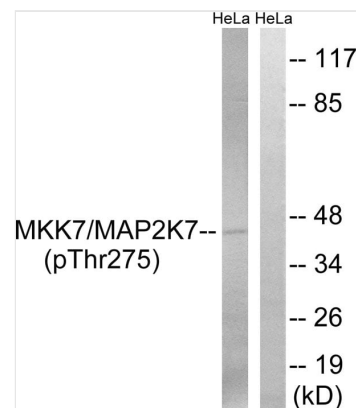
Host	Rabbit
Reactivity	Human, mouse, rat
Clonality	Polyclonal
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	426
Applicable Applications for anti-MAP2K7 antibody	ELISA, WB (Western Blot)
Antigen Type	synthetic peptide
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



WB (Western Blot)

Western blot analysis of extracts from cos-7 cells (Lane 2) and 3T3 cells (Lane 3), using MAP2K7 (Phospho-Thr275) Antibody. The lane on the left is treated with synthesized peptide.



WB (Western Blot)

Western blot analysis of extracts from HeLa cells, treated with calyculinA (50ng/ml, 30mins), using MAP2K7 (Phospho-Thr275) antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MAP2K7 antibody	Dual specificity protein kinase which acts as an essential component of the MAP kinase signal transduction pathway. Essential component of the stress-activated protein kinase/c-Jun N-terminal kinase (SAP/JNK) signaling pathway. With MAP2K4/MKK4, is the one of the only known kinase to directly activate the stress-activated protein kinase/c-Jun N-terminal kinases MAPK8/JNK1, MAPK9/JNK2 and MAPK10/JNK3. MAP2K4/MKK4 and MAP2K7/MKK7 both activate the JNKs by phosphorylation, but they differ in their preference for the phosphorylation site in the Thr-Pro-Tyr motif. MAP2K4/MKK4 shows preference for phosphorylation of the Tyr residue and MAP2K7/MKK7 for the Thr residue. The monophosphorylation of JNKs on the Thr residue is sufficient to increase JNK activity indicating that MAP2K7/MKK7 is important to trigger JNK activity, while the additional phosphorylation of the Tyr residue by MAP2K4/MKK4 ensures optimal JNK activation. Has a specific role in JNK signal transduction pathway activated by proinflammatory cytokines. The MKK/JNK signaling pathway is also involved in mitochondrial death signaling pathway, including the release cytochrome c, leading to apoptosis.
Product Categories/Family for anti-MAP2K7 antibody	Phospho Antibodies
References	Wu Z.,et al.Mol. Cell. Biol. 17:7407-7416(1997). Lu X.,et al.J. Biol. Chem. 272:24751-24754(1997). Foltz I.N.,et al.J. Biol. Chem. 273:9344-9351(1998). Michael L.,et al.Biochem. Biophys. Res. Commun. 341:679-683(2006). Yang J.,et al.Submitted (SEP-1997) to the EMBL/GenBank/DDBJ databases.

NCBI AND UNIPROT INFORMATION

NCBI GI #	662033893
NCBI GeneID	5609
NCBI Accession #	NP_001284484.1
NCBI GenBank Nucleotide #	NM_001297555.1
UniProt Accession #	O14733; O14648; O14816; O60452; O60453; Q1PG43; Q8IY10; B2R9S5; D6W659
Molecular Weight	47485
NCBI Official Full Name	dual specificity mitogen-activated protein kinase kinase 7 isoform 1
NCBI Official Synonym Full Names	mitogen-activated protein kinase kinase 7
NCBI Official Symbol	MAP2K7
NCBI Official Synonym Symbols	MEK; MKK7; JNKK2; MEK 7; MAPKK7; PRKMK7; SAPKK4; SAPKK-4
NCBI Protein Information	dual specificity mitogen-activated protein kinase kinase 7
UniProt Protein Name	Dual specificity mitogen-activated protein kinase kinase 7
UniProt Gene Name	MAP2K7
UniProt Synonym Gene Names	JNKK2; MEK7; MKK7; PRKMK7; SKK4; MAP kinase kinase 7; MAPKK 7; MEK 7; SAPK kinase 4; SAPKK-4; SAPKK4; JNK kinase 2; JNKK 2
UniProt Entry Name	MP2K7_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://www.aaabiotech.com/polyclonal/map2k7-phospho-thr275-antibody-western-blot-elisa/284954>