

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

MAP2K7 (Phospho-Ser271) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA307168	Rabbit	Human	Immunohistochemistry, Western Blot

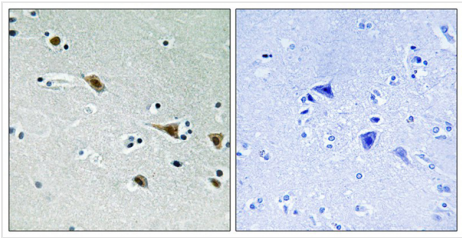
PRODUCT SYNONYMS

MAP2K7; Polyclonal Antibody; MAP2K7 (Phospho-Ser271) Antibody; PRKMK7; JNKK2; MKK7; MP2K7; anti-MAP2K7 antibody

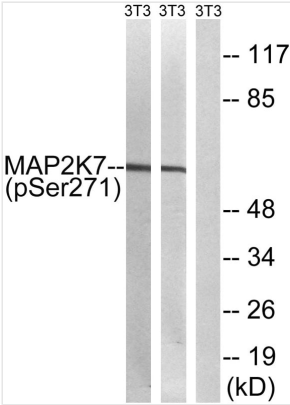
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of MAP2K7 only when phosphorylated at serine 271.
Purity/Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using
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	435
Applicable Applications for anti-MAP2K7 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of Serine271(V-D-S(p)-K-A) derived from Human MAP2K7.
Modification	Phospho-Ser271
Target Name	MAP2K7
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human brain tissue, using MAP2K7 (Phospho-Ser271) antibody (left) or the same antibody preincubated with blocking peptide (right).



WB (Western Blot)
Western blot analysis of extracts from 3T3 cells treated with insulin using MAP2K7 (Phospho-Ser271) Antibody. The lane on the right is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-MAP2K7 antibody	The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase specifically activates MAPK8/JNK1 and MAPK9/JNK2, and this kinase itself is phosphorylated and activated by MAP kinase kinase kinases including MAP3K1/MEKK1, MAP3K2/MEKK2, MAP3K3/MEKK5, and MAP4K2/GCK. This kinase is involved in the signal transduction mediating the cell responses to proinflammatory cytokines, and environmental stresses. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found, but only one transcript variant has been supported and defined. Wu Z., Mol. Cell. Biol. 17:7407-7416(1997). Lu X., J. Biol. Chem. 272:24751-24754(1997). Foltz I.N., J. Biol. Chem. 273:9344-9351(1998).
Product Categories/Family for anti-MAP2K7 antibody	Phospho-specific Ab

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	48,182 Da
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://stage.aaabiotech.com/polyclonal/map2k7-antibody-immunohistochemistry-western-blot-elisa/307168>