

Rabbit MEK4 (MAP2K4) Polyclonal Antibody | anti-MAP2K4 antibody

MEK4 (MAP2K4) Antibody (S257)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288840	Rabbit	Human (Predicted Reactivity: Xenopus, Mouse)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

MEK4 (MAP2K4); Polyclonal Antibody; MEK4 (MAP2K4) Antibody (S257); Dual specificity mitogen-activated protein kinase kinase 4; MAP kinase kinase 4; MAPKK 4; JNK-activating kinase 1; MAPK/ERK kinase 4; MEK 4; SAPK/ERK kinase 1; SEK1; Stress-activated protein kinase kinase 1; SAPK kinase 1; SAPKK-1; SAPKK1; c-Jun N-terminal kinase kinase 1; JNKK; MAP2K4; JNKK1; MEK4; MKK4; PRKMK4; SERK1; SKK1; anti-MAP2K4 antibody

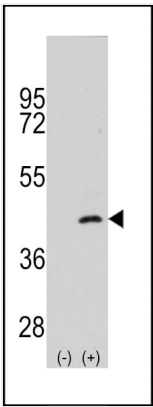
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Xenopus, Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MEK4(MAP2K4) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 235-264 amino acids from human MEK4(MAP2K4).
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: 0.35 (varies by lot)
Sequence Positions	235-264
Sequence Length	410
Applicable Applications for anti-MAP2K4 antibody	IHC (Immunohistochemistry), 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



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human skeletal muscle tissue reacted with MAP2K4 Antibody (S257) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of MAP2K4 (arrow) using rabbit polyclonal MAP2K4 Antibody (S257). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the MAP2K4 gene (Lane 2) (Origene Technologies).

ADDITIONAL INFORMATION

Related Product Information for anti-MAP2K4 antibody	MAP2K4 is a dual specificity protein kinase that belongs to the Ser/Thr protein kinase family. This kinase is a direct activator of MAP kinases in response to various environmental stresses or mitogenic stimuli. It has been shown to activate MAPK8/JNK1, MAPK9/JNK2, and MAPK14/p38, but not MAPK1/ERK2 or MAPK3/ERK3. MAP2K4 is phosphorylated, and thus activated by MAP3K1/MEKK. The knockout studies in mice suggested the roles of this kinase in mediating survival signal in T cell development, as well as in the organogenesis of liver.
Product Categories/Family for anti-MAP2K4 antibody	Signal Transduction
References	Robinson,V.L.,Mol. Cancer Res. 6 (3), 501-508 (2008) Zhang,H.,J. Biol. Chem. 282 (20), 14788-14796 (2007) Salmeron,A.,EMBO J. 15 (4), 817-826 (1996)

NCBI AND UNIPROT INFORMATION

NCBI GI #	526479851
NCBI GeneID	6416
NCBI Accession #	NP_001268364.1; NP_003001.1
NCBI GenBank Nucleotide #	NM_001281435.1
UniProt Accession #	P45985; Q5U0B8; Q6FHX4; Q6P9H2; Q6PIE6; B2R7N7; B3KYB2; D3DTS5
Molecular Weight	44288
NCBI Official Full Name	dual specificity mitogen-activated protein kinase kinase 4 isoform 2
NCBI Official Synonym Full Names	mitogen-activated protein kinase kinase 4
NCBI Official Symbol	MAP2K4
NCBI Official Synonym Symbols	JNKK; MEK4; MKK4; SEK1; SKK1; JNKK1; SERK1; MAPKK4; PRKMK4; SAPKK1; SAPKK-1
NCBI Protein Information	dual specificity mitogen-activated protein kinase kinase 4
UniProt Protein Name	Dual specificity mitogen-activated protein kinase kinase 4
UniProt Gene Name	MAP2K4

UniProt Synonym Gene Names	JNKK1; MEK4; MKK4; PRKMK4; SEK1; SERK1; SKK1; MAP kinase kinase 4; MAPKK 4; MEK 4; SEK1; SAPK kinase 1; SAPKK-1; SAPKK1; JNKK
UniProt Entry Name	MP2K4_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/mek4-map2k4-antibody-immunohistochemistry-western-blot-elisa/288840>