

Rabbit anti-Human MKK4 Polyclonal Antibody | anti-MAP2K4 antibody

Anti-MKK4 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254959	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Immunohistochemistry

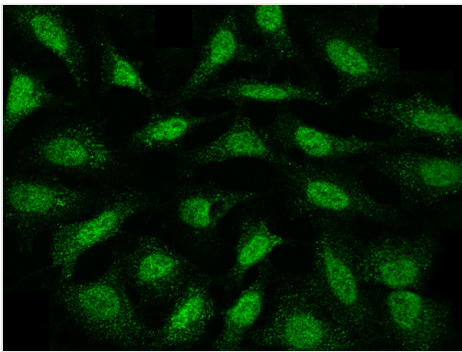
PRODUCT SYNONYMS

MKK4; Polyclonal Antibody; Anti-MKK4 Antibody; Rabbit Polyclonal; MKK4/MEK4/MAP2K4 Antibody; Rabbit PAb; Antigen Affinity Purified; mitogen-activated protein kinase kinase 4; Anti-JNKK Antibody; Anti-JNKK1 Antibody; Anti-MAPKK4 Antibody; Anti-MEK4 Antibody; Anti-PRKMK4 Antibody; Anti-SAPKK-1 Antibody; Anti-SAPKK1 Antibody; Anti-SEK1 Antibody; Anti-SERK1 Antibody; Anti-SKK1 Antibody; anti-MAP2K4 antibody

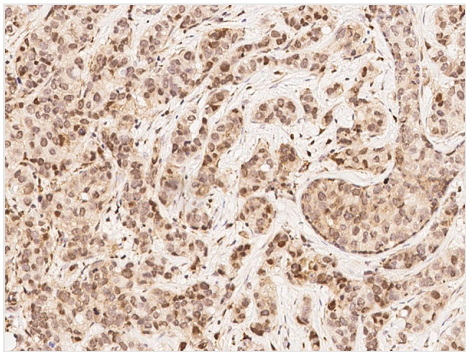
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human MKK4/MEK4/MAP2K4
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-MAP2K4 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the C-terminus of the Human MKK4/MEK4/MAP2K4
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the C-terminus of the Human MKK4/MEK4/MAP2K4, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

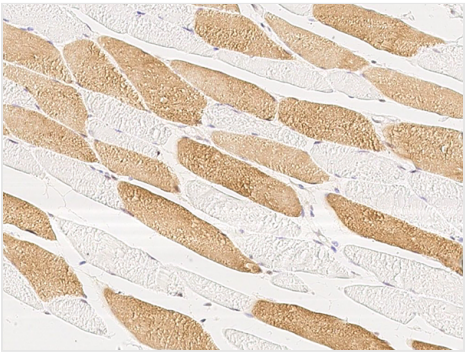
IMAGES



IF (Immunofluorescence)
Immunofluorescence staining of MAP2K4 in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-HUMAN MAP2K4 polyclonal antibody (dilution ratio 1:1000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to cytoplasm and nucleus.



IHC (Immunohistochemistry)
Immunochemical staining of human MAP2K4 in human breast carcinoma with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)
Immunochemical staining of human MAP2K4 in human skeletal muscle with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-MAP2K4 antibody	Dual specificity mitogen-activated protein kinase kinase 4, also known as MAP kinase kinase 4, MAPKK4, JNK-activating kinase 1, MAPK/ERK kinase 4, SAPK/ERK kinase 1, c-Jun N-terminal kinase kinase 1, JNKK, and MAP2K4, is a protein that belongs to the protein kinase superfamily, STE Ser/Thr protein kinase family and MAP kinase kinase subfamily. MAP2K4/JNKK1 is a protein kinase that is a direct activator of MAP kinases in response to various environmental stresses or mitogenic stimuli. MAP2K4/JNKK1 has been shown to activate MAPK8/JNK1, MAPK9/JNK2, and MAPK14/p38, but not MAPK1/ERK2 or MAPK3/ERK1. MAP2K4/JNKK1 is phosphorylated, and thus activated by MAP3K1/MEKK. The stress-activated protein kinase (SAPK) pathways represent phosphorylation cascades that convey pro-apoptotic signals. The mitogen-activated protein kinase kinase (MAPKK) homolog MAP2K4 (MKK4, SEK, JNKK1) is a centrally-placed mediator of the SAPK pathways.
Product Categories/Family for anti-MAP2K4 antibody	Tumor Suppressors ; Death Receptor Signaling
References	Lin A, et al., 1995, Science 268 (5208): 286-90. Su, G.H. et al., 2002, Hum Mutat. 19 (1):81. Lee, et al., 2002, Proc. Natl. Acad. Sci. USA. 99 (22): 14189-94. Bouzakri, K. et al., 2007, J Biol Chem. 282 (11):7783-9.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506889
NCBI GeneID	6416
NCBI Accession #	NP_003001.1
NCBI GenBank Nucleotide #	NM_003010.2

UniProt Accession #	P45985; Q5U0B8; Q6FHX4; Q6P9H2; Q6PIE6; B2R7N7; B3KYB2; D3DTS5
Molecular Weight	44,288 Da
NCBI Official Full Name	dual specificity mitogen-activated protein kinase kinase 4
NCBI Official Synonym Full Names	mitogen-activated protein kinase kinase 4
NCBI Official Symbol	MAP2K4
NCBI Official Synonym Symbols	JNKK; MEK4; MKK4; SEK1; JNKK1; SERK1; MAPKK4; PRKMK4; SAPKK1; SAPKK-1
NCBI Protein Information	dual specificity mitogen-activated protein kinase kinase 4; MEK 4; MAPKK 4; SAPK kinase 1; MAPK/ERK kinase 4; SAPK/ERK kinase 1; MAP kinase kinase 4; JNK-activated kinase 1; JNK activating kinase 1; JNK-activating kinase 1; c-Jun N-terminal kinase kinase
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mkk4-antibody-immunofluorescence-immunocytochemistry-immunohistochemistry-elisa/254959>