Rabbit MKK6 Polyclonal Antibody | anti-MAP2K6 antibody

Anti-MKK6 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254405	**Rabbit**	**HumanPredicted to React with: Mouse (Species predicted to react based on 100% sequence homology)**	**Immunofluorescence, Immunocytochemistry, Immunohistochemistry**

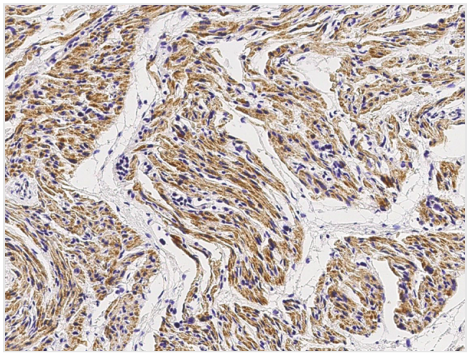
PRODUCT SYNONYMS

MKK6; Polyclonal Antibody; Anti-MKK6 Antibody; Rabbit Polyclonal; MKK6/MEK6/MAP2K6 Antibody; Rabbit PAb; Antigen Affinity Purified; mitogen-activated protein kinase kinase 6; Anti-MAPKK6 Antibody; Anti-MEK6 Antibody; Anti-PRKMK6 Antibody; Anti-SAPKK-3 Antibody; Anti-SAPKK3 Antibody; anti-MAP2K6 antibody

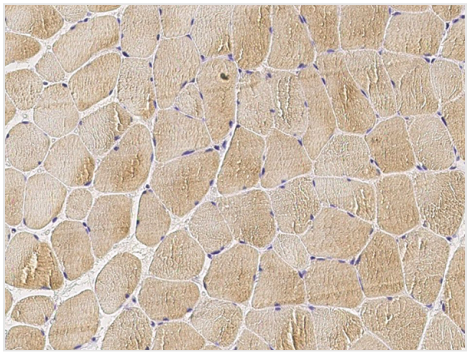
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human Predicted to React with: Mouse (Species predicted to react based on 100% sequence homology)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human MKK6
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-MAP2K6 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the N-terminus of the Human MKK6/MEK6/MAP2K6
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the N-terminus of the Human MKK6/MEK6/MAP2K6, 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.

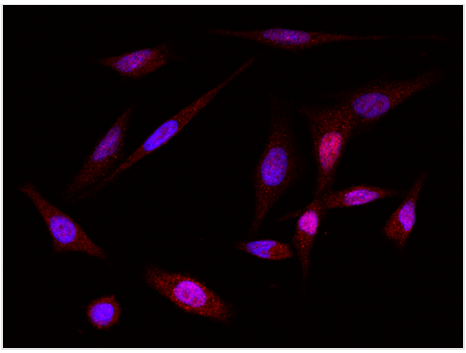
IMAGES



IHC (Immunohistochemisry)
Immunochemical staining of human MAP2K6 in human heart with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).



IHC (Immunohiostchemistry)
Immunochemical staining of human MAP2K6 in human skeletal muscle with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).



IF (Immunofluorescence)
Immunofluorescence staining of MAP2K6 in HeLa cells. Cells were fixed with 4% PFA,blocked with 10% serum, and incubated with rabbit anti-human MAP2K6 polyclonal antibody (1:1000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor594-conjugated Goat Anti-rabbit IgG secondary antibody (red) and counterstained with DAPI (blue). Positive staining was localized to cytoplasm and nucleus.

ADDITIONAL INFORMATION

Related Product Information for anti-MAP2K6 antibody	Dual specificity mitogen-activated protein kinase kinase 6, also known as MAP kinase kinase 6, MAPKK 6, MAPK/ERK kinase 6, SAPKK3, MAP2K6, and MKK6, is a protein that belongs to the protein kinase superfamily, STE Ser/Thr protein kinase family and MAP kinase kinase subfamily. MAP2K6/MKK6 contains one protein kinase domain. Mitogen-activated protein kinases are members of a conserved cascade of kinases involved in many signal transduction pathways. They stimulate phosphorylation of transcription factors in response to extracellular signals such as growth factors, cytokines, ultraviolet light, and stress-inducing agents. MAP2K6/MKK6 exists in a variety of alternatively spliced isoforms with distinct patterns of tissue expression. Isoform 2 of MAP2K6/MKK6 is only expressed in skeletal muscle. Isoform 1 of MAP2K6/MKK6 is expressed in skeletal muscle, heart, and to a lesser extent in liver or pancreas.
Product Categories/Family for anti-MAP2K6 antibody	Non-Canonical Wnt Pathway
References	Raingeaud J., et al., (1996), MKK3-and MKK6-regulated gene expression is mediated by the p38 mitogen-activated protein kinase signal transduction pathway. Mol. Cell. Biol. 16:1247-1255.Stein B., et al., (1996), Cloning and characterization of MEK6, a novel member of the mitogen-activated protein kinase kinase cascade.J. Biol. Chem. 271:11427-11433.Han J., et al., (1996), Characterization of the structure and function of a novel MAP kinase kinase (MKK6).J. Biol. Chem. 271:2886-2891.

NCBI AND UNIPROT INFORMATION

NCBI GI #	14589900
NCBI GeneID	5608
NCBI Accession #	NP_002749.2
NCBI GenBank Nucleotide #	NM_002758.3
UniProt Accession #	P52564
Molecular Weight	37,492 Da
NCBI Official Full Name	dual specificity mitogen-activated protein kinase kinase 6
NCBI Official Synonym Full Names	mitogen-activated protein kinase kinase 6
NCBI Official Symbol	MAP2K6
NCBI Official Synonym Symbols	MEK6; MKK6; MAPKK6; PRKMK6; SAPKK3; SAPKK-3
NCBI Protein Information	dual specificity mitogen-activated protein kinase kinase 6; MEK 6; MAPKK 6; SAPK kinase 3; MAPK/ERK kinase 6; stress-activated protein kinase kinase 3; protein kinase, mitogen-activated, kinase 6 (MAP kinase kinase 6)
UniProt Protein Name	Dual specificity mitogen-activated protein kinase kinase 6

UniProt Gene Name	**MAP2K6**
UniProt Synonym Gene Names	MEK6; MKK6; PRKMK6; SKK3; MAP kinase kinase 6; MAPKK 6; MEK 6; SAPK kinase 3; SAPKK-3; SAPKK3
UniProt Entry Name	MP2K6_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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