

Rabbit MEK5/MAP2K5 Polyclonal Antibody | anti-MAP2K5 antibody

Anti-MEK5/MAP2K5 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254404	Rabbit	Human Predicted to React with: Mouse, Rat (Species predicted to react based on 100% sequence homology)	Immunofluorescence, Immunocytochemistry, Immunohistochemistry

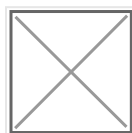
PRODUCT SYNONYMS

MEK5/MAP2K5; Polyclonal Antibody; Anti-MEK5/MAP2K5 Antibody; Rabbit Polyclonal; MAP2K5 Antibody; Rabbit PAb; Antigen Affinity Purified; mitogen-activated protein kinase kinase 5; Anti-HsT17454 Antibody; Anti-MAPKK5 Antibody; Anti-MEK5 Antibody; Anti-PRKMK5 Antibody; anti-MAP2K5 antibody

PRODUCT SPECIFICATIONS

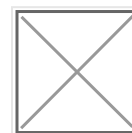
Host	Rabbit
Reactivity	Human Predicted to React with: Mouse, Rat (Species predicted to react based on 100% sequence homology)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human MEK5/MAP2K5
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-MAP2K5 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the N-terminus of the Human MAP2K5
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the N-terminus of the Human MAP2K5, 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 (Immunohistochemistry)

Immunochemical staining of human MAP2K5 in human heart with rabbit polyclonal antibody (1:200, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)

Immunochemical staining of human MAP2K5 in human skeletal muscle with rabbit polyclonal antibody (1:200, formalin-fixed paraffin embedded sections).



IF (Immunofluorescence)

Immunofluorescence staining of MAP2K5 in HeLa cells. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with rabbit anti-human MAP2K5 polyclonal antibody (1:1000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to nucleus.

ADDITIONAL INFORMATION

Related Product Information for anti-MAP2K5 antibody	MAP2K5 (Mitogen-Activated Protein Kinase Kinase 5, also known as MEK5) is a Protein Coding gene. The protein encoded by this gene is a dual-specificity protein kinase that belongs to the MAP kinase kinase family. The signal cascade mediated by this kinase is involved in growth factor-stimulated cell proliferation and muscle cell differentiation. 4 alternatively spliced human isoforms have been reported. Diseases associated with MAP2K5 include Caroli Disease and Restless Legs Syndrome. SNP rs1026732 in MAP2K5/SKOR1 was significantly associated with restless legs syndrome (RLS). RLS is considered a genetic disease and, following a genome-wide association study conducted in 2007, the MAP2K5 gene has been regarded as the promising candidate gene for RLS.
Product Categories/Family for anti-MAP2K5 antibody	Death Receptor Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	332164798
NCBI GeneID	5607
NCBI Accession #	NP_001193733.1
NCBI GenBank Nucleotide #	NM_001206804.1
UniProt Accession #	Q13163; Q92961; Q92962; B4DE43
Molecular Weight	50112 MW
NCBI Official Full Name	dual specificity mitogen-activated protein kinase kinase 5 isoform C
NCBI Official Synonym Full Names	mitogen-activated protein kinase kinase 5
NCBI Official Symbol	MAP2K5
NCBI Official Synonym Symbols	MEK5; MAPKK5; PRKMK5; HsT17454
NCBI Protein Information	dual specificity mitogen-activated protein kinase kinase 5
UniProt Protein Name	Dual specificity mitogen-activated protein kinase kinase 5
UniProt Gene Name	MAP2K5
UniProt Synonym Gene Names	MEK5; MKK5; PRKMK5; MAP kinase kinase 5; MAPKK 5; MEK 5

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.