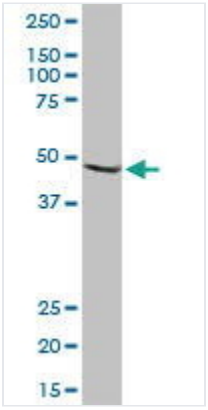
MAP2K2 Antibody – Rabbit Polyclonal

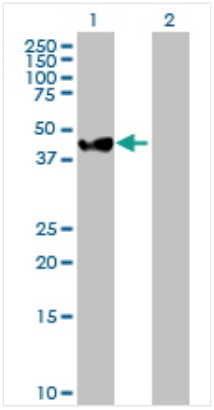
PRODUCT OVERVIEW

Product Name	MAP2K2, Polyclonal Antibody
Full Product Name	MAP2K2 (Dual Specificity Mitogen-activated Protein Kinase Kinase 2, MAP Kinase Kinase 2, MAPKK 2, ERK Activator Kinase 2, MAPK/ERK Kinase 2
Product Gene Name	anti-MAP2K2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human MAP2K2.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor
Molecular Weight	400
Chromosome Location	Chromosome: 19; NC_000019.9 (4090319..4124126, complement). Location: 19p13.3
OMIM	gene 615280
3D Structure	ModBase 3D Structure for P36507
Immunogen	Full length human MAP2K2, aa1-400 (NP_109587.1).
Immunogen Sequence	MLARRKPVLPALTINPTIAEGPSPTSEGASEANLVDLQKKLEELELDEQQKKRLEAFLTQKAKVGELKDDDFERISELGAGNGGVVTKVQHRPSGLIMARK
Conjugate	FITC
Note	Preservative Free
Product Categories/Family for anti-MAP2K2 antibody	Antibodies; Protein Kinases
Applications Tested/Suitable for anti-MAP2K2 antibody	Immunofluorescence (IF), Western Blot (WB)
Application Notes for anti-MAP2K2 antibody	IF: 10ug/ml Applications are based on unconjugated antibody.

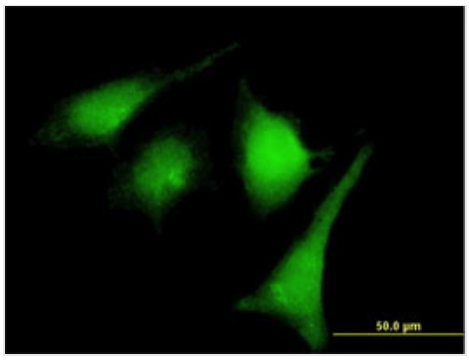
Related Product Information for anti-MAP2K2 antibody	MBS6384788 is an antibody targeting MAP2K2. Also known as MAP2K2 (Dual Specificity Mitogen-activated Protein Kinase Kinase 2, MAP Kinase Kin
Other Notes	Small volumes of anti-MAP2K2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If nece



Western Blot (WB) of anti-MAP2K2 antibody
MAP2K2 rabbit polyclonal antibody. Western Blot analysis of MAP2K2 expression in human kidney



Western Blot (WB) of anti-MAP2K2 antibody
Western Blot analysis of MAP2K2 expression in transfected 293T cell line by MAP2K2 polyclonal antibody. Lane 1: MAP2K2 transfected lysate (44.4kD). Lane 2: Non-transfected lysate.



Immunofluorescence (IF) of anti-MAP2K2 antibody
Immunofluorescence of purified rabbit antibody to MAP2K2 on HeLa cell. [antibody concentration 10ug/ml]

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MAP2K2. It may not necessarily be applicable to this product.

NCBI GI #	13489054
NCBI GeneID	5605
NCBI Accession #	NP_109587.1
UniProt Primary Accession #	P36507
UniProt Related Accession #	P36507
GenBank Nucleotide #	NM_030662
NCBI Official Full Name	dual specificity mitogen-activated protein kinase kinase 2
NCBI Official Synonym Full Names	mitogen-activated protein kinase kinase 2
NCBI Official Symbol	MAP2K2
NCBI Official Synonym Symbols	CFC4; MEK2; MKK2; MAPKK2; PRKMK2
UniProt Protein Name	Dual specificity mitogen-activated protein kinase kinase 2

UniProt Synonym Protein Names	ERK activator kinase 2; MAPK/ERK kinase 2; MEK 2
Protein Family	Dual specificity mitogen-activated protein kinase kinase
UniProt Gene Name	MAP2K2
UniProt Synonym Gene Names	MEK2; MKK2; PRKMK2; MAP kinase kinase 2; MAPKK 2; MEK 2
UniProt Entry Name	MP2K2_HUMAN
NCBI Protein Information	dual specificity mitogen-activated protein kinase kinase 2; MAPK/ERK kinase 2; MAP kinase kinase 2; ERK activator kinase 2; mitogen-activated protein kinase kinase 2, p45
UniProt Comments for MAP2K2	MEK2: a dual-specificity protein kinase of the STE7 kinase family. Phosphorylated and activated by Raf and Mos kinases. Phosphorylates a Thr and a Tyr residue in a Thr-Glu-Tyr sequence located in the activation loop of ERK2 and ERK3. A component of MAP kinase signal transduction pathways involved in mitogen growth factor signal transduction. Protein type: EC 2.7.12.2; Protein kinase, dual-specificity (non-receptor); Protein kinase, STE; Kinase, protein; STE group; STE7 family Chromosomal Location of Human Ortholog: 19p13.3 Cellular Component: Golgi apparatus; peroxisomal membrane; microtubule; internal side of plasma membrane; focal adhesion; mitochondrion; endoplasmic reticulum; early endosome; extracellular region; intercellular junction; cell cortex; cytosol; perinuclear region of cytoplasm; late endosome; cytoplasm; nucleus Molecular Function: MAP kinase kinase activity; protein serine/threonine kinase activity; protein serine/threonine kinase activator activity; protein binding; protein-tyrosine kinase activity; protein serine/threonine/tyrosine kinase activity; protein complex scaffold; ATP binding; PDZ domain binding Biological Process: epidermal growth factor receptor signaling pathway; axon guidance; fibroblast growth factor receptor signaling pathway; peptidyl-tyrosine phosphorylation; activation of MAPKK activity; nerve growth factor receptor signaling pathway; activation of MAPK activity; MyD88-independent toll-like receptor signaling pathway; MAPKKK cascade; stress-activated MAPK cascade; pathogenesis; toll-like receptor 3 signaling pathway; toll-like receptor 2 signaling pathway; toll-like receptor 10 signaling pathway; MyD88-dependent toll-like receptor signaling pathway; toll-like receptor 5 signaling pathway; regulation of stress-activated MAPK cascade; small GTPase mediated signal transduction; Ras protein signal transduction; insulin receptor signaling pathway; toll-like receptor signaling pathway; innate immune response; toll-like receptor 9 signaling pathway; vascular endothelial growth factor receptor signaling pathway; toll-like receptor 4 signaling pathway Disease: Cardiofaciocutaneous Syndrome 4
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