MAPK4 Antibody – Chicken Polyclonal

PRODUCT OVERVIEW

Product Name	MAPK4, Polyclonal Antibody
Full Product Name	MAPK4 Antibody
Product Gene Name	anti-MAPK4 antibody
Product Synonym Names	Affinity Purified Mitogen-activated protein kinase 4 Antibody; ERK-4 antibody; Extracellular signal-regulated kinase 4 antibody; MAP kinase 4 antibody; MAP kinase isoform p63 antibody; MAPK4 antibody; p63 MAPK antibody; PRKM4 antibody; Protein kinase, mitogen-activated, 4 antibody; Protein-tyrosine kinase ERK3-related antibody; RMNK2 antibody
Clonality	Polyclonal
Isotype	IgY
Host	Chicken
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Affinity Purified
Concentration	One hundred micrograms (100ug) antibody in 175-200ul of antibody stabilization buffer. (lot specific)
Preparation and Storage	Store at -20 degree C for long term storage.
3D Structure	ModBase 3D Structure for P31152
Immunogen	Synthetic peptide taken within amino acid region 500-550 on human Mitogen-activated protein kinase 4.
Product Categories/Family for anti-MAPK4 antibody	Primary Antibodies; Protein Kinases; Serine/Threonine Kinases; MAPK Pathway; MAPK4 Antibody
Applications Tested/Suitable for anti-MAPK4 antibody	ELISA (EIA), Immunoprecipitation (IP), Western Blot (WB)
Application Notes for anti-MAPK4 antibody	ELISA: 1:10,000 IP: 1:200 WB: 1:500-1:1000
Related Product Information for anti-MAPK4 antibody	MBS5400513 is an antibody targeting MAPK4. Also known as MAPK4 Antibody. Reactive in Human, Mouse, Rat. Host: Chicken.
Other Notes	Small volumes of anti-MAPK4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MAPK4. It may not necessarily be applicable to this product.

NCBI GI #	635574613
NCBI GeneID	5596
NCBI Accession #	NP_001278968.1
UniProt Primary Accession #	P31152
UniProt Secondary Accession #	Q0VG04; A1A4C4

UniProt Related Accession #	P31152
GenBank Nucleotide #	NM_001292039.1
NCBI Official Full Name	mitogen-activated protein kinase 4 isoform 2
NCBI Official Synonym Full Names	mitogen-activated protein kinase 4
NCBI Official Symbol	MAPK4
NCBI Official Synonym Symbols	ERK4; ERK-4; PRKM4; p63MAPK; p63-MAPK
UniProt Protein Name	Mitogen-activated protein kinase 4
UniProt Synonym Protein Names	Extracellular signal-regulated kinase 4; ERK-4; MAP kinase isoform p63; p63-MAPK
UniProt Gene Name	MAPK4
UniProt Synonym Gene Names	ERK4; PRKM4; MAP kinase 4; MAPK 4; ERK-4; p63-MAPK
NCBI Protein Information	mitogen-activated protein kinase 4
NCBI Summary for MAPK4	Mitogen-activated protein kinase 4 is a member of the mitogen-activated protein kinase family. Tyrosine kinase growth factor receptors activate mitogen-activated protein kinases which then translocate into the nucleus and phosphorylate nuclear targets. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014]
UniProt Comments for MAPK4	Atypical MAPK protein. Phosphorylates microtubule-associated protein 2 (MAP2) and MAPKAPK5. The precise role of the complex formed with MAPKAPK5 is still unclear, but the complex follows a complex set of phosphorylation events: upon interaction with atypical MAPKAPK5, ERK4/MAPK4 is phosphorylated at Ser-186 and then mediates phosphorylation and activation of MAPKAPK5, which in turn phosphorylates ERK4/MAPK4. May promote entry in the cell cycle ().
Research Articles on MAPK4	**1.** Activation loop phosphorylation of ERK3/ERK4 by group I p21-activated kinases (PAKs) defines a novel PAK-ERK3/4-MAPK-activated protein kinase 5 signaling pathway.
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