MAPK4 Antibody (N-Term) Blocking Peptide

PRODUCT OVERVIEW

Product Name	MAPK4, Blocking Peptide
Full Product Name	MAPK4 Antibody (N-term) Blocking Peptide
Product Gene Name	MAPK4 blocking peptide
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml.
Specificity	The synthetic peptide sequence used to generate the antibody was selected from the N-term region of human MAPK4. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	MAPK4 peptide (MBS9226766) is used for blocking the activity of MAPK4 antibody (MBS9215215)
Molecular Weight	65,922 Da
OMIM	176949
Related Product Information for MAPK4 blocking peptide	MBS9226766 is a blocking peptide targeting MAPK4. Also known as MAPK4 Antibody (N-term) Blocking Peptide.
Other Notes	Small volumes of MAPK4 blocking peptide 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 #	121947391
NCBI Accession #	Q0VG04
UniProt Primary Accession #	Q0VG04
UniProt Secondary Accession #	Q0VG04; A1A4C4
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
UniProt Entry Name	MK04_HUMAN
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 ().

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