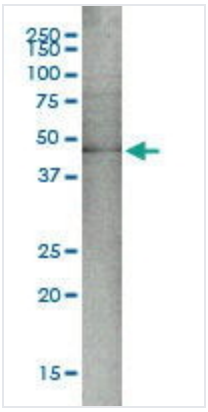
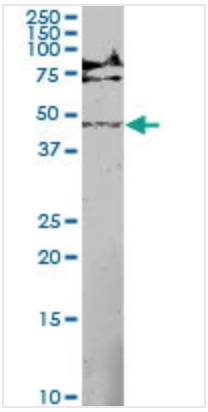
MAP2K5 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

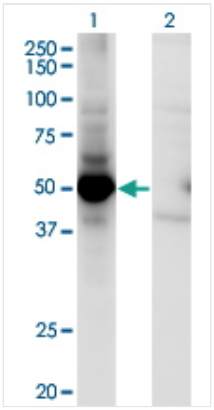
Product Name	MAP2K5, Monoclonal Antibody
Full Product Name	MAP2K5 (Dual Specificity Mitogen-activated Protein Kinase Kinase 5, MAP Kinase Kinase 5, MAPKK 5, MAPK/ERK Kinase 5, MEK5, MKK5, PRKMK5
Product Gene Name	anti-MAP2K5 antibody
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	M1-E6
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human MAP2K5.
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	46,131 Da
Immunogen	Full length recombinant corresponding to human MAP2K5, aa1-449 (AAH08838) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MLWLALGPFPAMENQVLVIRIKIPNSGAVDWTVHSGPQLLFRDVLDVIGQVLPEATTTAFEYEDEDGDRITVRSDEEMKAMLSYYYSTVMEQQVNGQLIEF
Conjugate	Biotin
Product Categories/Family for anti-MAP2K5 antibody	Antibodies; Protein Kinases
Applications Tested/Suitable for anti-MAP2K5 antibody	ELISA (EIA), Immunofluorescence (IF), Western Blot (WB)
Application Notes for anti-MAP2K5 antibody	IF: 10ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-MAP2K5 antibody	MBS6142804 is an antibody targeting MAP2K5. Also known as MAP2K5 (Dual Specificity Mitogen-activated Protein Kinase Kinase 5, MAP Kinase Kina
Other Notes	Small volumes of anti-MAP2K5 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If nece



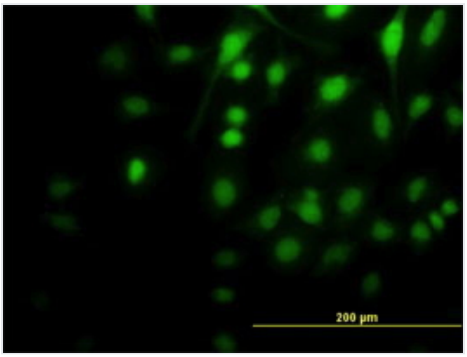
Western Blot (WB) of anti-MAP2K5 antibody
MAP2K5 monoclonal antibody Western Blot analysis of MAP2K5 expression in Jurkat.



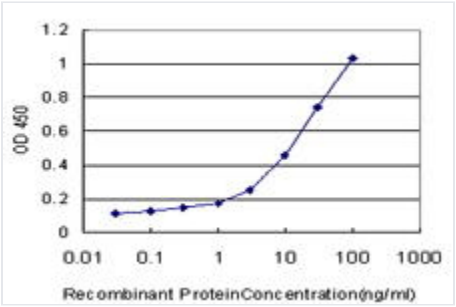
Western Blot (WB) of anti-MAP2K5 antibody
MAP2K5 monoclonal antibody Western Blot analysis of MAP2K5 expression in K-562.



Western Blot (WB) of anti-MAP2K5 antibody
Western Blot analysis of MAP2K5 expression in transfected 293T cell line by MAP2K5 monoclonal antibody Lane 1: MAP2K5 transfected lysate (Predicted MW: 50.1kD). Lane 2: Non-transfected lysate.



Immunofluorescence (IF) of anti-MAP2K5 antibody
Immunofluorescence of monoclonal antibody to MAP2K5 on HeLa cell. [antibody concentration 10ug/ml]



Testing Data of anti-MAP2K5 antibody
Detection limit for recombinant GST tagged MAP2K5 is ~0.03ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MAP2K5. It may not necessarily be applicable to this product.

NCBI GI #	33871775
NCBI GeneID	5607
NCBI Accession #	BC008838
NCBI Related Accession #	AAH08838
UniProt Secondary Accession #	Q92961; Q92962; B4DE43
UniProt Related Accession #	Q13163

NCBI Official Full Name	Homo sapiens mitogen-activated protein kinase kinase 5, mRNA
NCBI Official Synonym Full Names	mitogen-activated protein kinase kinase 5
NCBI Official Symbol	MAP2K5
NCBI Official Synonym Symbols	MEK5; MAPKK5; PRKMK5; HsT17454
Protein Family	Dual specificity mitogen-activated protein kinase kinase
NCBI Protein Information	dual specificity mitogen-activated protein kinase kinase 5
NCBI Summary for MAP2K5	The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase specifically interacts with and activates MAPK7/ERK5. This kinase itself can be phosphorylated and activated by MAP3K3/MEKK3, as well as by atypical protein kinase C isoforms (aPKCs). The signal cascade mediated by this kinase is involved in growth factor stimulated cell proliferation and muscle cell differentiation. Three alternatively spliced transcript variants of this gene encoding distinct isoforms have been described. [provided by RefSeq, May 2011]
Research Articles on MAP2K5	**1.** Specifically, CKS1B and MAP2K5 significantly inhibited hepatitis C viral RNA replication. PACSIN1, by contrast, inhibited hepatitis C virus infection by decreasing the level of viral protein p7.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/monoclonal-human-antibody/map2k5/6142804