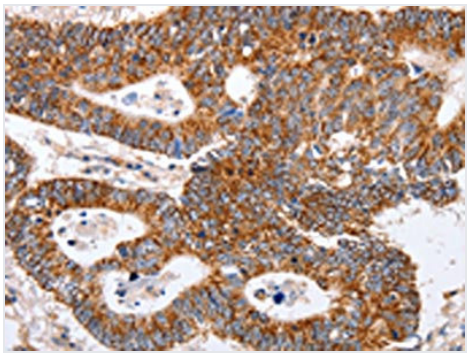
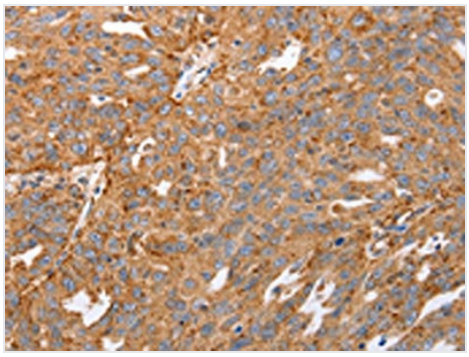
MAP2K5 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MAP2K5, Polyclonal Antibody
Full Product Name	MAP2K5 Antibody
Product Gene Name	anti-MAP2K5 antibody
Product Synonym Names	mitogen-activated protein kinase kinase 5
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid; In Phosphate Buffered Saline, pH 7.4, 0.05% NaN3, and 40% Glycerol
Purity/Purification	Antigen Affinity Purification
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	50112 MW
OMIM	U25265 mRNA
3D Structure	ModBase 3D Structure for Q13163
Immunogen	Fusion protein of human MAP2K5
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-MAP2K5 antibody	Signal Transduction
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MAP2K5 antibody	ELISA (EIA), Immunohistochemistry (IHC)
Application Notes for anti-MAP2K5 antibody	ELISA: 1:2000-1:5000 IHC: 1:50-1:200
Related Product Information for anti-MAP2K5 antibody	MBS7124087 is an antibody targeting MAP2K5. Also known as MAP2K5 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
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 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.



Immunohistochemistry (IHC)-Paraffin of anti-MAP2K5 antibody
The image on the left is immunohistochemistry of paraffin-embedded Human colon cancer tissue using MBS7124087(MAP2K5 Antibody) at dilution 1/40, on the right is treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry (IHC)-Paraffin of anti-MAP2K5 antibody
The image on the left is immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using MBS7124087(MAP2K5 Antibody) at dilution 1/40, on the right is treated with fusion protein. (Original magnification: ×200)

ADDITIONAL DETAILS

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

NCBI GI #	332164798
NCBI GeneID	5607
NCBI Accession #	NP_001193733.1
UniProt Primary Accession #	Q13163
UniProt Secondary Accession #	Q92961; Q92962; B4DE43
UniProt Related Accession #	Q13163
GenBank Nucleotide #	NM_001206804.1
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
UniProt Protein Name	Dual specificity mitogen-activated protein kinase kinase 5
UniProt Synonym Protein Names	MAPK/ERK kinase 5; MEK 5
Protein Family	Dual specificity mitogen-activated protein kinase kinase
UniProt Gene Name	MAP2K5
UniProt Synonym Gene Names	MEK5; MKK5; PRKMK5; MAP kinase kinase 5; MAPKK 5; MEK 5
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]
UniProt Comments for MAP2K5	Acts as a scaffold for the formation of a ternary MAP3K2/MAP3K3-MAP3K5-MAPK7 signaling complex. Activation of this pathway appears to play a critical role in protecting cells from stress-induced apoptosis, neuronal survival and cardiac development and angiogenesis.
Research Articles on MAP2K5	**1.** results confirmed the association of BTBD9 and MAP2K5/SKOR1 with primary Restless Legs Syndrome in Chinese population

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