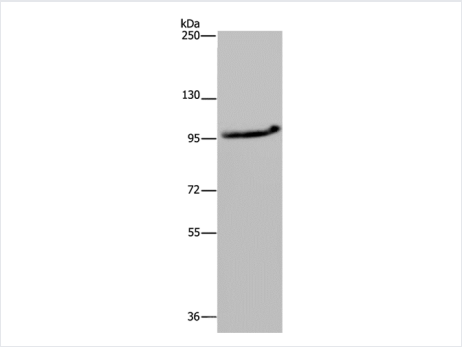
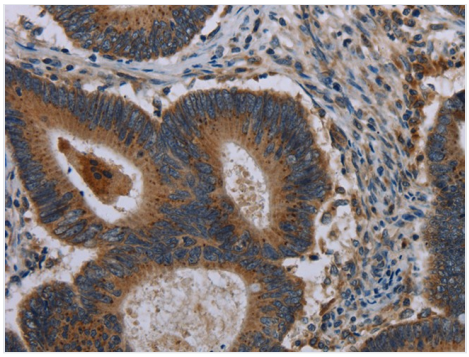
MAP3K11 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

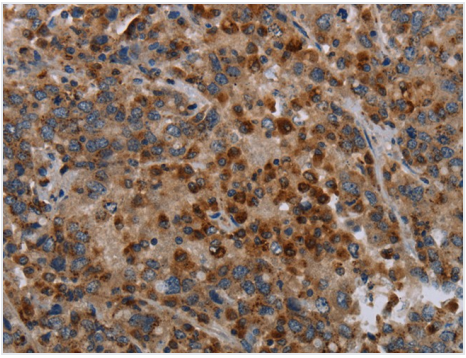
Product Name	MAP3K11, Polyclonal Antibody
Full Product Name	MAP3K11 Polyclonal Antibody
Product Gene Name	anti-MAP3K11 antibody
Product Synonym Names	MLK3; PTK1; SPRK; MLK-3; MEKK11
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Antigen affinity purification
Concentration	2.4mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.
Molecular Weight	65,344 Da
OMIM	600050
Immunogen	Synthetic peptide of human MAP3K11
Buffer	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MAP3K11 antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-MAP3K11 antibody	WB: 1:500-1:2000 IHC: 1:50-1:200
Related Product Information for anti-MAP3K11 antibody	The protein encoded by this gene is a member of the serine/threonine kinase family. This kinase contains a SH3 domain and a leucine zipper-basic motif. This kinase preferentially activates MAPK8/JNK kinase, and functions as a positive regulator of JNK signaling pathway. This kinase can directly phosphorylate, and activates IkappaB kinase alpha and beta, and is found to be involved in the transcription activity of NF-kappaB mediated by Rho family GTPases and CDC42.
Other Notes	Small volumes of anti-MAP3K11 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.
Searchable Terms for MAP3K11 purchase	MBS2525290 is an antibody targeting MAP3K11. Also known as MAP3K11 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-MAP3K11 antibody
Western Blot analysis of LO2 cell using MAP3K11 Polyclonal Antibody at dilution of 1:400



Immunohistochemistry (IHC) of anti-MAP3K11 antibody
Immunohistochemistry of paraffin-embedded Human colon cancer using MAP3K11 Polyclonal Antibody at dilution of 1:40



Immunohistochemistry (IHC) of anti-MAP3K11 antibody
Immunohistochemistry of paraffin-embedded Human liver cancer using MAP3K11 Polyclonal Antibody at dilution of 1:40

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MAP3K11. It may not necessarily be applicable to this product.

NCBI GI #	4505195
NCBI GeneID	4296
NCBI Accession #	NP_002410.1
UniProt Secondary Accession #	Q53H00; Q59F06; Q6P2G4; B4DS76
UniProt Related Accession #	Q16584
GenBank Nucleotide #	NM_002419.3
NCBI Official Full Name	mitogen-activated protein kinase kinase kinase 11
NCBI Official Synonym Full Names	mitogen-activated protein kinase kinase kinase 11
NCBI Official Symbol	MAP3K11
NCBI Official Synonym Symbols	MLK3; PTK1; SPRK; MLK-3; MEKK11
UniProt Protein Name	Mitogen-activated protein kinase kinase kinase 11
UniProt Synonym Protein Names	Mixed lineage kinase 3; Src-homology 3 domain-containing proline-rich kinase
Protein Family	Mitogen-activated protein kinase kinase kinase
UniProt Gene Name	MAP3K11
UniProt Entry Name	M3K11_HUMAN

NCBI Protein Information	mitogen-activated protein kinase kinase kinase 11; MAP3K11; SH3 domain-containing proline-rich kinase; mixed lineage kinase 3; protein-tyrosine kinase PTK1; src-homology 3 domain-containing proline-rich kinase
UniProt Comments for MAP3K11	MLK3: a TKL kinase of the MLK family. Has an amino-terminal SH3 domain followed by the kinase domain, two leucine zipper domains, a cdc42/Rac1 binding (CRIB) domain and several other domains/motifs at the carboxy-terminal region. Phosphorylates IkappaB and activates SEK1 and MKK7. Protein type: Protein kinase, Ser/Thr (non-receptor); Protein kinase, TKL; EC 2.7.11.25; Kinase, protein; TKL group; MLK family; MLK subfamily Chromosomal Location of Human Ortholog: 11q13.1-q13.3 Cellular Component: centrosome; microtubule; membrane; cytoplasm Molecular Function: protein serine/threonine kinase activity; identical protein binding; protein binding; protein homodimerization activity; JUN kinase kinase kinase activity; mitogen-activated protein kinase kinase binding; protein-tyrosine kinase activity; Rac GTPase binding; mitogen-activated protein kinase kinase kinase binding; ATP binding; protein kinase activity Biological Process: cell death; cell proliferation; positive regulation of JNK activity; peptidyl-tyrosine phosphorylation; activation of MAPK activity; positive regulation of neuron apoptosis; protein amino acid autophosphorylation; positive regulation of JNK cascade; JNK cascade; protein amino acid phosphorylation; activation of JNK activity; microtubule-based process; activation of JNKK activity
Research Articles on MAP3K11	**1.** MLK3 is a critical factor controlling the activity of kinase networks that control the cellular responses to different concentrations of reactive oxygen species.
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