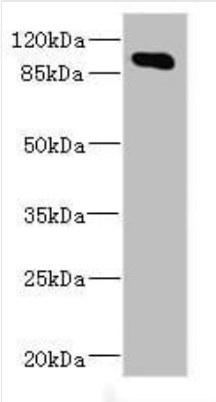
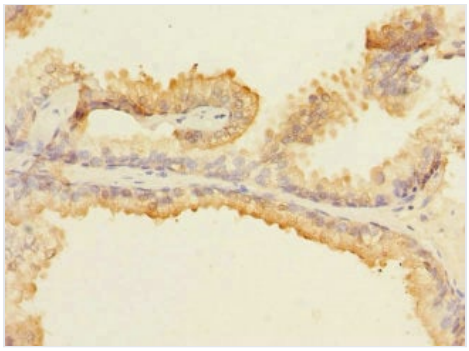
MAP4K5 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MAP4K5, Polyclonal Antibody
Full Product Name	MAP4K5 Antibody
Product Gene Name	anti-MAP4K5 antibody
Product Synonym Names	Mitogen-activated protein kinase kinase kinase kinase 5; Kinase homologous to SPS1/STE20; KHS; MAPK/ERK kinase kinase kinase 5; MEK kinase kinase 5; MEKKK 5; MAP4K5
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid
Purity/Purification	Antigen Affinity Purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	95,040 Da
OMIM	604923
3D Structure	ModBase 3D Structure for Q9Y4K4
Species	Human
Immunogen	Recombinant human Mitogen-activated protein kinase kinase kinase kinase 5 protein (300-480AA)
Conjugate	Non-conjugated
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-6429 / sc-6428
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MAP4K5 antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC)
Related Product Information for anti-MAP4K5 antibody	May play a role in the response to environmental stress. Appears to act upstream of the JUN N-terminal pathway.
Other Notes	Small volumes of anti-MAP4K5 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 MAP4K5 purchase	MBS7044762 is an antibody targeting MAP4K5. Also known as MAP4K5 Antibody. Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-MAP4K5 antibody
Western blotAll lanes: MAP4K5 antibody at 4.2ug/ml+ Mouse brain tissueGoat polyclonal to rabbit at 1/10000 dilutionPredicted band size: 95 kDaObserved band size: 95 kDa



Immunohistochemistry (IHC) of anti-MAP4K5 antibody
Immunohistochemistry of paraffin-embedded human prostate cancer using MBS7044762 at dilution 1:100

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MAP4K5. It may not necessarily be applicable to this product.

NCBI GI #	14589909
NCBI GeneID	11183
NCBI Accession #	NP_006566.2
UniProt Primary Accession #	Q9Y4K4
UniProt Secondary Accession #	Q8IYF6
UniProt Related Accession #	Q9Y4K4
GenBank Nucleotide #	NM_006575.4
NCBI Official Full Name	mitogen-activated protein kinase kinase kinase kinase 5
NCBI Official Synonym Full Names	mitogen-activated protein kinase kinase kinase kinase 5
NCBI Official Symbol	MAP4K5
NCBI Official Synonym Symbols	KHS; GCKR; KHS1; MAPKKKK5
UniProt Protein Name	Mitogen-activated protein kinase kinase kinase kinase 5
UniProt Synonym Protein Names	Kinase homologous to SPS1/STE20; KHS; MAPK/ERK kinase kinase kinase 5; MEK kinase kinase 5; MEKKK 5
Protein Family	Mitogen-activated protein kinase kinase kinase kinase
UniProt Gene Name	MAP4K5
UniProt Synonym Gene Names	KHS; MEK kinase kinase 5; MEKKK 5
UniProt Entry Name	M4K5_HUMAN
NCBI Protein Information	mitogen-activated protein kinase kinase kinase kinase 5
NCBI Summary for MAP4K5	This gene encodes a member of the serine/threonine protein kinase family, that is highly similar to yeast SPS1/STE20 kinase. Yeast SPS1/STE20 functions near the beginning of the MAP kinase signal cascades that is essential for yeast pheromone response. This kinase was shown to activate Jun kinase in mammalian cells, which suggested a role in stress response. Two alternatively spliced transcript variants encoding the same protein have been described for this gene. [provided by RefSeq, Jul 2008]

UniProt Comments for MAP4K5	KHS1: a serine/threonine protein kinase of the STE20 family. Highly similar to yeast SPS1/STE20 kinase. Activates Jun kinase in mammalian cells, which suggested a role in stress response. Protein type: EC 2.7.11.1; Kinase, protein; Protein kinase, STE; Protein kinase, Ser/Thr (non-receptor); STE group; STE20 family; KHS subfamily Chromosomal Location of Human Ortholog: 14q11.2-q21 Cellular Component: cytoplasm Molecular Function: ATP binding; protein binding; protein kinase activity; protein serine/threonine kinase activity; receptor signaling protein serine/threonine kinase activity Biological Process: activation of JNK activity; protein amino acid phosphorylation
Research Articles on MAP4K5	**1.** TNF signaling leads to oligomerization, ubiquitination, and activation of GCKR and activation of the SAPK pathway in a manner that depends upon TRAF2 polyubiquitination and oligomerization and Ubc13 function
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