



M4K5 Polyclonal Antibody

Catalog No	YP-Ab-06465
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	MAP4K5
Immunogen	Synthesized peptide derived from human protein . at AA range: 300-380
Specificity	M4K5 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	GCKR;KHS;KHS1;MAP4K5;MAPKKKK5;MEK kinase kinase 5;MEKKK 5;M4K5; Mitogen-activated protein kinase kinase kinase kinase 5 (EC 2.7.11.1) (Kinase homologous to SPS1/STE20) (KHS) (MAPK/ERK kinase kinase kinase 5) (MEK kinase kinase 5) (MEKKK 5)
Observed Band	58 kDa, 95 kDa, 120 kDa
Calculated Molecular Weight	846 aa, 95 kDa
Cell Pathway	Cytoplasm .
Tissue Specificity	Ubiquitously expressed in all tissues examined, with high levels in the ovary, testis and prostate.
Function	catalytic activity:ATP + a protein = ADP + a phosphoprotein., cofactor:Magnesium.,function:May play a role in the response to environmental stress. Appears to act upstream of the JUN N-terminal pathway., similarity:Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20 subfamily.,similarity:Contains 1 CNH domain.,similarity:Contains 1 protein kinase domain.,subunit:Interacts with both SH3 domains of the adapter proteins CRK and CRKL.,tissue specificity:Ubiquitously expressed in all tissues examined, with high levels in the ovary, testis and prostate.,

Background

mitogen-activated protein kinase kinase kinase 5(MAP4K5) Homo sapiens 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],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images