



MAP3K2 mouse mAb

Catalog No	YP-mAb-15057
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	MAP3K2 MAPKKK2 MEKK2
Immunogen	Synthesized peptide derived from human MAP3K2 AA range: 220-300
Specificity	This antibody detects endogenous levels of Human MAP3K2
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	MAP3K2;EC:2.7.11.25;MEKK2B;MEKK 2;MEK kinase 2;MAP3K2 MAPKKK2 MEKK2;Mitogen-activated protein kinase kinase kinase 2 (EC 2.7.11.25;MAPK/ERK kinase kinase 2;MEKK 2)
Observed Band	65-75 kDa
Calculated Molecular Weight	70 kDa
Cell Pathway	Cytoplasm . Nucleus . Upon EGF stimulation, translocates into the nucleus.
Tissue Specificity	
Function	catalytic activity:ATP + a protein = ADP + a phosphoprotein., cofactor:Magnesium.,enzyme regulation:Activated by phosphorylation on Thr-524.,function:Component of a protein kinase signal transduction cascade. Regulates the JNK and ERK5 pathways by phosphorylating and activating MAP2K5 and MAP2K7 (By similarity). Plays a role in caveolae kiss-and-run dynamics.,PTM:Autophosphorylated.,similarity:Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase kinase subfamily.,similarity:Contains 1 OPR domain.,similarity:Contains 1 protein kinase domain.,subcellular location:Upon EGF stimulation, translocates into the nucleus.,subunit:Bounds both upstream activators and downstream substrates in multimolecular complexes.,

**Background**

The protein encoded by this gene is a member of serine/threonine protein kinase family. This kinase preferentially activates other kinases involved in the MAP kinase signaling pathway. This kinase has been shown to directly phosphorylate and activate I kappa B kinases, and thus plays a role in NF-kappa B signaling pathway. This kinase has also been found to bind and activate protein kinase C-related kinase 2, which suggests its involvement in a regulated signaling process. [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