

MAP3K2 (Phospho Ser520) rabbit pAb

Catalog No :	YP1703
Reactivity :	Human;Mouse;Rat
Applications :	WB
Target :	MAP3K2
Fields :	>>MAPK signaling pathway;>>Gap junction;>>GnRH signaling pathway
Gene Name :	MAP3K2 MAPKKK2 MEKK2
Protein Name :	MAP3K2 (Phospho-Ser520)
Human Gene Id :	10746
Human Swiss Prot No :	Q9Y2U5
Mouse Swiss Prot No :	Q61083
Immunogen :	Synthesized peptide derived from human MAP3K2 (Phospho-Ser520)
Specificity :	This antibody detects endogenous levels of MAP3K2 (Phospho-Ser520) at Human, Mouse,Rat
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000
Purification :	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 68kD

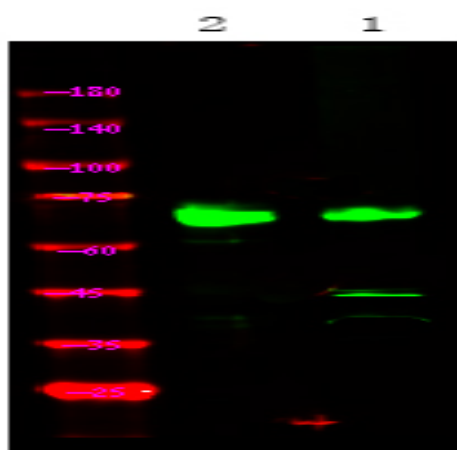
Background : The protein encoded by this gene is a member of serine/threonine protein kinase family. This kinase preferentially activates other kinases involved in the MAP kinase signaling pathway. This kinase has been shown to directly phosphorylate and activate Ikappa B kinases, and thus plays a role 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],

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:Binds both upstream activators and downstream substrates in multimolecular complexes.,

Subcellular Location : Cytoplasm . Nucleus . Upon EGF stimulation, translocates into the nucleus.

Expression : Brain,Platelet,T-cell,Teratocarcinoma,Whole embryo,

Products Images



Western Blot analysis of mouse liver ,using primary antibody at 1:1000 dilution. Secondary antibody(catalog#:RS23920) was diluted at 1:10000