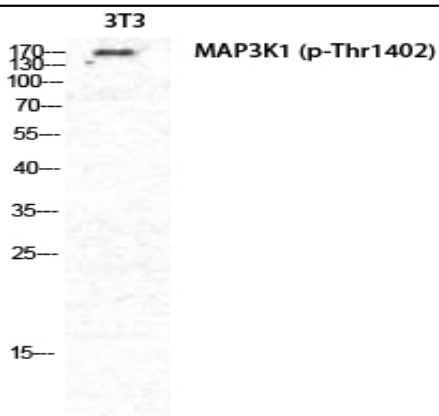


MEK Kinase-1 (phospho Thr1402) Polyclonal Antibody

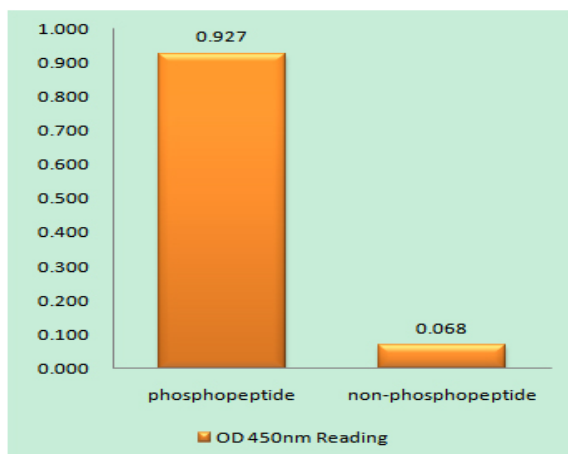
Catalog No :	YP0786
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	MEK Kinase-1
Fields :	>>MAPK signaling pathway;>>Ubiquitin mediated proteolysis;>>Tight junction;>>RIG-I-like receptor signaling pathway;>>Neurotrophin signaling pathway;>>GnRH signaling pathway;>>Growth hormone synthesis, secretion and action;>>Hepatitis B;>>Human T-cell leukemia virus 1 infection
Gene Name :	MAP3K1
Protein Name :	Mitogen-activated protein kinase kinase kinase 1
Human Gene Id :	4214
Human Swiss Prot No :	Q13233
Mouse Swiss Prot No :	P53349
Rat Gene Id :	116667
Rat Swiss Prot No :	Q62925
Immunogen :	The antiserum was produced against synthesized peptide derived from human MAP3K1 around the phosphorylation site of Thr1402. AA range:1368-1417
Specificity :	Phospho-MEK Kinase-1 (T1402) Polyclonal Antibody detects endogenous levels of MEK Kinase-1 protein only when phosphorylated at T1402.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	160kD
Cell Pathway :	SAPK_JNK; Regulation of Actin Dynamics; Cell Growth; Stem cell pathway; MAPK_ERK_Growth;MAPK_G_Protein; B Cell Receptor
Background :	The protein encoded by this gene is a serine/threonine kinase and is part of some signal transduction cascades, including the ERK and JNK kinase pathways as well as the NF-kappa-B pathway. The encoded protein is activated by autophosphorylation and requires magnesium as a cofactor in phosphorylating other proteins. This protein has E3 ligase activity conferred by a plant homeodomain (PHD) in its N-terminus and phospho-kinase activity conferred by a kinase domain in its C-terminus. [provided by RefSeq, Mar 2012],
Function :	catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Activated by autophosphorylation on Thr-1400 and Thr-1412 following oligomerization.,function:Component of a protein kinase signal transduction cascade. Activates the ERK and JNK kinase pathways by phosphorylation of MAP2K1 and MAP2K4. Activates CHUK and IKBKB, the central protein kinases of the NF-kappa-B pathway.,PTM:Autophosphorylated.,similarity:Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase kinase subfamily.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 RING-type zinc finger.,similarity:Contains 1 SWIM-type zinc finger.,subunit:Binds both upstream activators and downstream substrates in multimolecular complexes through its N-terminus. Oligomerizes after binding MAP4K2 or TRAF2. Interacts with AXIN1.,
Subcellular Location :	cytoplasm,cytosol,
Expression :	Leukocyte,

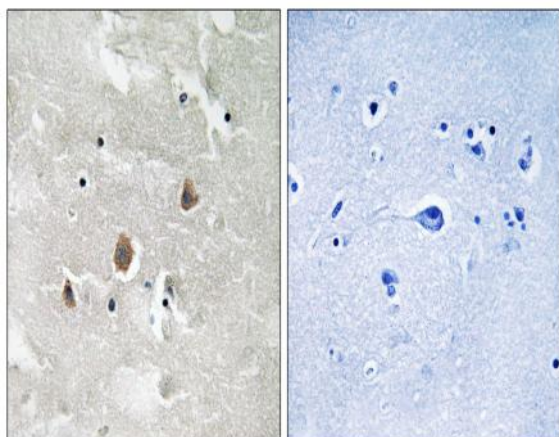
Products Images



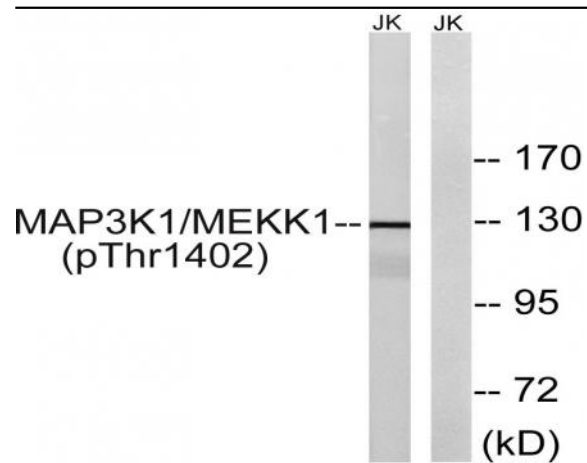
Western Blot analysis of NIH-3T3 cells using Phospho-MEK Kinase-1 (T1402) Polyclonal Antibody diluted at 1:2000



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using MAP3K1 (Phospho-Thr1402) Antibody



Immunohistochemistry analysis of paraffin-embedded human brain, using MAP3K1 (Phospho-Thr1402) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from Jurkat cells, using MAP3K1 (Phospho-Thr1402) Antibody. The lane on the right is blocked with the phospho peptide.