MEK Kinase-1 (Phospho Thr1402) Rabbit pAb

CatalogNo: YP0786

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat

Applications
- WB,IHC,IF,ELISA

MW
- 160kD (Observed)

Isotype
- IgG

Recommended Dilution Ratios

WB 1:500-1:2000
IHC 1:100-1:300
ELISA 1:40000
IF 1:50-200

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality	Polyclonal

Immunogen Information

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.The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):KGtGA

Target Information

Gene name MAP3K1

Protein Name Mitogen-activated protein kinase kinase kinase 1

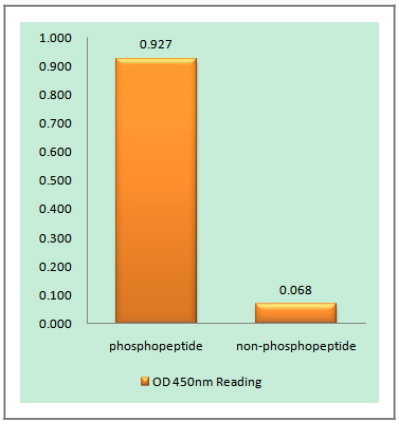
Organism	Gene ID	UniProt ID
Human	4214;	Q13233;
Mouse		P53349;
Rat	116667;	Q62925;

Cellular Localization cytoplasm,cytosol,

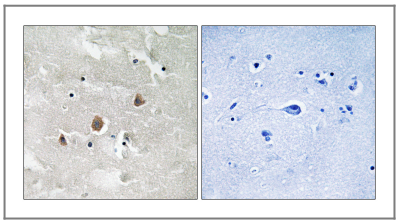
Tissue specificity Leukocyte,

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.,

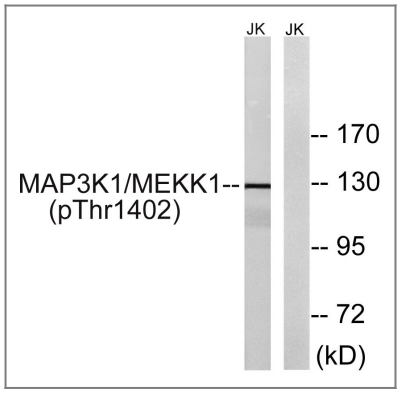
Validation Data



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.

Contact information

Orders:	order@immunoway.com
Support:	tech@immunoway.com
Telephone:	877-594-3616 (Toll Free), 408-747-0185
Website:	http://www.immunoway.com
Address:	2200 Ringwood Ave San Jose, CA 95131 USA

Please scan the QR code to access additional product information:
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