SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-MAP3K2 antibody

Catalog Number: SL6301R

FOR RESEARCH USE ONLY

[DATASHEET]

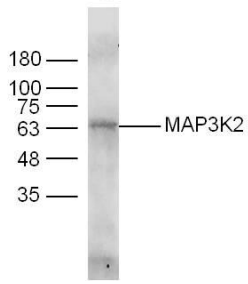
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	MAP3K2
Immunogen:	KLH conjugated synthetic peptide derived from human MAP3K2/MEKK2: 21-120/619
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse (predicted:Rat,Chicken,Pig,Cow,Horse,Rabbit)
Predicted MW.:	68kDa
Subcellular Location:	The nucleus cytoplasmic
Background:	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. Sequence similarities; Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase kinase subfamily. Contains 1 OPR domain. Contains 1 protein kinase domain. **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

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

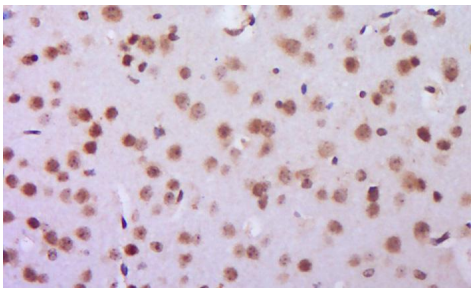
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	dynamics. **Subunit:** Interacts with PKN2; the interaction activates PKN2 kinase activity in a MAP3K2-independent kinase activity. Self-associates. Binds both upstream activators and downstream substrates in multimolecular complexes. Interacts (via the kinase catalytic domain) with STK38. **Subcellular Location:** Cytoplasm. Nucleus. **Post-translational modifications:** Autophosphorylated (By similarity). **Similarity:** Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase kinase subfamily. Contains 1 OPR domain. Contains 1 protein kinase domain. **Database links:** **Entrez Gene:** 10746 Human **Entrez Gene:** 26405 Mouse **Entrez Gene:** 171492 Rat Omim: 609487 Human **SwissProt:** Q9Y2U5 Human **SwissProt:** Q61083 Mouse **Unigene:** 145605 Human **Unigene:** 211762 Mouse **Unigene:** 213212 Rat

[VALIDATION IMAGES]



Sample: U937 Cell (Human) Lysate at 40 ug
Primary: Anti-MAP3K2 (SL6301R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 68 kD
Observed band size: 65 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MAP3K2) Polyclonal Antibody, Unconjugated (SL6301R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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