

## Rabbit Anti-MAP3K2/Biotin Conjugated antibody

SL6301R-Bio

<b>Product Name</b>	Anti-MAP3K2/Biotin
<b>Chinese Name</b>	生物素标记的丝裂原活化蛋白激酶激酶 2 抗体
<b>Alias</b>	M3K2_HUMAN; Map3k2; MAPK/ERK kinase kinase 2; MEK kinase 2; MEKK 2; MEKK2b; Mitogen activated protein kinase kinase kinase 2; Mitogen-activated protein kinase kinase kinase 2.
<b>Research Area</b>	Signal transduction transcriptional regulatory factor Kinases and Phosphatases
<b>Immunogen Species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>React Species</b>	Human,Mouse(predicted:Rat,Chicken,Pig,Cow,Horse,Rabbit) WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
<b>Applications</b>	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight</b>	68kDa
<b>Form</b>	Lyophilized or Liquid
<b>Concentration</b>	1mg/ml
<b>immunogen</b>	KLH conjugated synthetic peptide derived from human MAP3K2/MEKK2
<b>Lsotype</b>	IgG
<b>Purification</b>	affinity purified by Protein A
<b>Storage Buffer</b>	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>Storage</b>	
<b>Product Detail</b>	<b>background:</b> 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 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



SunLong Biotech Co.,LTD  
Tel: 0086-571-56623320 Fax:0086-571-56623318  
E-mail:sales@sunlongbiotech.com  
www.sunlongbiotech.com

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**Important Note:**

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