

Rabbit Anti-MAP3K2/AP Conjugated antibody

SL6301R-AP

Product Name	Anti-MAP3K2/AP
Chinese Name	碱性磷酸酶（AP）标记的丝裂原活化蛋白激酶激酶 2 抗体
Alias	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.
Research Area	Signal transduction transcriptional regulatory factor Kinases and Phosphatases
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Mouse(predicted:Rat,Chicken,Pig,Cow,Horse,Rabbit)
Applications	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	68kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human MAP3K2/MEKK2
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	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.
Storage	
Product Detail	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 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

Important Note:

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