丝裂原活化蛋白激酶 MAP4K6 抗体

产品货号： mlR9109

英文名称： MAP4K6

中文名称： 丝裂原活化蛋白激酶 MAP4K6 抗体

别　　名： MINK-1; MINK 1; MINK; MINK1; Misshapen like kinase 1; Misshapen NIKs Related kinase; Misshapen/NIK related kinase; Mitogen activated protein kinase kinase kinase kinase 6; Map4k6; MAPK/ERK kinase kinase kinase 6; MEK (MAP/ERK) kinase kinase 6; MEK kinase kinase 6; MEKKK6; MGC21111; RP23-122P1.6; Ysk2; ZC3; B55; GCK family kinase MiNK; MINK1_HUMAN.

研究领域： 细胞生物　神经生物学　信号转导　激酶和磷酸酶

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Pig, Cow, Rabbit,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:50-200 （石蜡切片需做抗原修复）
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

分 子 量： 147kDa

细胞定位： 细胞浆 细胞膜

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

mlbio 酶联生物
Good elisakit producers

免 疫 原： KLH conjugated synthetic peptide derived from human MAP4K6:951-1100/1332

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： 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 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PubMed： PubMed

产品介绍： MAP4K6 is a serine/threonine kinase belonging to the germinal center kinase (GCK) family. These kinases regulate a wide variety of cellular processes by coupling cell surface receptors to MAPK pathways. This kinase appears to act upstream of the JUN N-terminal pathway and may be involved in brain development. It may also play a role in the response to environmental stress, in cytoskeleton reorganization, cell adhesion, and cell motility. Alternative splicing occurs at this locus and four transcript variants encoding distinct isoforms have been identified.

Function:

Serine/threonine kinase which acts as a negative regulator of Ras-related Rap2-mediated signal transduction to control neuronal structure and AMPA receptor trafficking. Required for normal synaptic density, dendrite complexity, as well as surface AMPA receptor expression in hippocampal neurons. Can activate the JNK and MAPK14/p38 pathways and mediates stimulation of the stress-activated protein kinase MAPK14/p38 MAPK downstream of the Raf/ERK pathway. Phosphorylates: TANC1 upon stimulation by RAP2A, MBP and SMAD1. Has an essential function in negative selection of thymocytes, perhaps by coupling NCK1 to activation of JNK1.

Isoform 4 can activate the JNK pathway. Involved in the regulation of actin cytoskeleton reorganization, cell-matrix adhesion, cell-cell adhesion and cell migration.

Subunit:

Interacts with TANC1. Interacts with RAP2A. Isoform 4 interacts with NCK1.

Subcellular Location:

Cytoplasm. Cell junction, synapse, postsynaptic cell membrane, postsynaptic density. Cell projection, axon. Cell projection, dendrite.

Isoform 4: Golgi apparatus.

Tissue Specificity:

Expressed in the brain, isoform 2 is more abundant than isoform 1. Isoform 3 is ubiquitously expressed. Isoform 1 is most abundant in the skeletal muscle. Isoform 4 is ubiquitously expressed with relative high levels in brain, skeletal muscle, pancreas and testis.

Post-translational modifications:

Autophosphorylated.

Similarity:

Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20 subfamily.

Contains 1 CNH domain.

Contains 1 protein kinase domain.

SWISS:

Q8N4C8

Gene ID:

50488

Important Note:

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

产品图片