

丝裂原活化蛋白激酶 6 抗体

产品货号 : mlR12405

英文名称 : MAPK6

中文名称 : 丝裂原活化蛋白激酶 6 抗体

别 名 : ERK-3; ERK3; ERK 3; Extracellular signal regulated kinase 3; Extracellular signal regulated kinase p97; Extracellular signal-regulated kinase 3; MAP kinase 6; MAP kinase isoform p97; MAPK 6; Mitogen activated protein kinase 6; Mitogen-activated protein kinase 6; MK06_HUMAN; p97 MAPK; p97-MAPK; PRKM6; Protein kinase mitogen activated 5; Protein kinase mitogen activated 6.

研究领域 : 细胞生物 信号转导 干细胞 激酶和磷酸酶

抗体来源 : Rabbit

克隆类型 : Polyclonal

交叉反应 : Human, Mouse, Rat, Dog, Pig, Cow, Horse, Rabbit, Sheep,

产品应用 : ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500 (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 : 83kDa

细胞定位 : 细胞核 细胞浆

性 状 : Lyophilized or Liquid

浓 度 : 1mg/ml

免 疫 原 : KLH conjugated synthetic peptide derived from human MAPK6/ERK3:21-120/721



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 : Mitogen-activated protein kinase (MAPK) signaling pathways involve closely related MAP kinases, including extracellular-signal-related kinase 3 (ERK 3, also designated PRKM6 and p97MAPK). Serum, growth factors and phorbol esters can initiate ERK 3 signaling pathways. Despite lacking a definitive nuclear localization sequence, ERK 3 constitutively localizes to the nucleus upon activation. p38 pathway activation-dependent upregulation of ERK 3 is independent of the status of p53, Bcl-2 and caspase-3 during cell stress and damage induced by proteasome inhibition, suggesting ERK 3 in part mediates intracellular defense or cell rescue. The human ERK 3 gene maps to chromosome 15q21.2 and encodes a 721 amino acid protein.

Function:

Phosphorylates microtubule-associated protein 2 (MAP2). May promote entry in the cell cycle.

Subunit:

Heterodimer with ERK4/MAPK4. Interacts with (via FRIEDE motif) MAPKAPK5 (By similarity). Interacts with UBE3A; this interaction may be indirect and mediated by HERC2, possibly via HERC2 interaction with NEURL4.

Subcellular Location:

Cytoplasm (By similarity). Nucleus (By similarity). Note=Translocates to the cytoplasm following interaction with MAPKAPK5 (By similarity).

**Tissue Specificity:**

Highest expression in the skeletal muscle, followed by the brain. Also found in heart, placenta, lung, liver, pancreas, kidney and skin fibroblasts.

Post-translational modifications:

Dually phosphorylated on Thr-626 and Tyr-628, which activates the enzyme.

Similarity:

Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family.

MAP kinase subfamily.

Contains 1 protein kinase domain.

SWISS:

Q16659

Gene ID:

5597

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

