

## 磷酸化丝裂原活化蛋白激酶激酶 5 抗体

产品货号： mlR5432

英文名称： phospho-MEK5 (Ser137)

中文名称： 磷酸化丝裂原活化蛋白激酶激酶 5 抗体

别名： MAP2K5(phospho Ser137); MAP2K5(phospho S137); Dual specificity mitogen activated protein kinase kinase 5; Dual specificity mitogen-activated protein kinase kinase 5; EC 2.7.12.2; HsT17454; MAP kinase kinase 5; MAP kinase kinase MEK5b; MAP2K5; MAPK/ERK kinase 5; MAPKK 5; MAPKK5; MEK 5; mitogen-activated protein kinase kinase 5; MKK5; MP2K5\_HUMAN; PRKMK5; Protein kinase, mitogen-activated, kinase 5; SAPKK5; SKK5.

产品类型： 磷酸化抗体

研究领域： 肿瘤 免疫学 信号转导 转录调节因子 激酶和磷酸酶

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Cow, Horse, Rabbit, Sheep,

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 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： 49kDa

细胞定位： 细胞浆

性状： Lyophilized or Liquid

浓度： 1mg/ml

免疫原： KLH conjugated Synthesised phosphopeptide derived from human MEK5 around the phosphorylation site of Ser137:AV(p-S)DS

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 background:**

MEK5 is a dual specificity protein kinase belonging to the Ser/Thr protein kinase family, (MAP kinase kinase family). It is activated by phosphorylation on Ser/Thr by MAP kinase kinases and interacts specifically with ERK5, and not with another MAP kinase like P38. This kinase specifically interacts with and activates MAPK7/ERK5. This kinase itself can be phosphorylated and activated by MAP3K3/MEKK3, as well as by atypical protein kinase C isoforms (aPKCs). It is not phosphorylated by RAFA, RAFB or RAFC and it may interact with GTPases such as CDC42. The signal cascade mediated by this kinase is involved in growth factor stimulated cell proliferation and muscle cell differentiation. MEK5 is expressed in many adult tissues and is most abundant in heart and skeletal muscle.

**Function:**

Acts as a scaffold for the formation of a ternary MAP3K2/MAP3K3-MAP3K5-MAPK7 signaling complex. Activation of this pathway appear to play a critical role in protecting cells from stress-induced apoptosis, neuronal survival and cardiac development and angiogenesis.

**Subunit:**

Interacts with PARD6A, MAP3K3 and MAPK7. Forms a complex with SQSTM1 and PRKCZ or PRKCI (By similarity).  
Interacts with Yersinia yopJ.

**Tissue Specificity:**

Expressed in many adult tissues. Abundant in heart and skeletal muscle.

**Post-translational modifications:**

Activated by phosphorylation on Ser/Thr by MAP kinase kinase kinases.

Yersinia yopJ may acetylate Ser/Thr residues, preventing phosphorylation and activation, thus blocking the MAPK signaling pathway.

**Similarity:**

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

Contains 1 OPR domain.

Contains 1 protein kinase domain.

**SWISS:**

Q13163

**Gene ID:**

5607

**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

