钙调蛋白激酶 CaMK1D 抗体

产品货号： mlR6225

英文名称： CAMK1D

中文名称： 钙调蛋白激酶 CaMK1D 抗体

别　　名： Calcium/calmodulin dependent protein kinase ID; Calcium/calmodulin dependent protein kinase type 1D; CaM K1; CaM KI delta; CaM kinase I delta; CaM kinase ID; CAMK 1D; Camk1D; CaMKI delta; CamKI like protein kinase; CaMKID; CKLiK.

研究领域： 肿瘤　信号转导　细胞凋亡　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, Mouse, Rat, Dog, Pig, Cow, Horse, Rabbit,

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： 43kDa

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 CAMK1D:33-130/385

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:

CAMK1D is a member of the Ca2+/calmodulin-dependent protein kinase 1 subfamily of serine/threonine kinases. It may be involved in the regulation of granulocyte function through the chemokine signal transduction pathway and may play a role in apoptosis of erythroleukemia cells.

Function:

Calcium/calmodulin-dependent protein kinase that operates in the calcium-triggered CaMKK-CaMK1 signaling cascade and, upon calcium influx, activates CREB-dependent gene transcription, regulates calcium-mediated granulocyte function and respiratory burst and basal dendritic growth of hippocampal neurons. In neutrophil cells, required for cytokine-induced proliferative responses and activation of the respiratory burst. Phosphorylates the transcription activator CREB1 on 'Ser-133' in hippocampal neuron nuclei. May play a role in apoptosis of erythroleukemia cells. In vitro, phosphorylates transcription factor CREM isoform Beta.

Subcellular Location:

Cytoplasm. Nucleus. Predominantly cytoplasmic (Probable). Also nuclear upon activation.

Tissue Specificity:

Broadly expressed. Highly and mostly expressed in polymorphonuclear leukocytes (neutrophilic and eosinophilic granulocytes) while little or no expression is observed in monocytes and lymphocytes.

Similarity:

Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. CaMK subfamily.

Contains 1 protein kinase domain.

SWISS:

Q8IU85

Gene ID:

57118

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 ：