

钙通道电压依赖性 $\beta 1$ 蛋白抗体

产品货号： mlR6517

英文名称： CACNB1

中文名称： 钙通道电压依赖性 $\beta 1$ 蛋白抗体

别名： CAB1; CACNLB1; Calcium channel voltage dependent beta 1 subunit; Voltage dependent L type calcium channel beta 1 subunit; CACB1_HUMAN.

研究领域： 细胞生物 免疫学 信号转导 转录调节因子 通道蛋白 G 蛋白信号

抗体来源： Rabbit

克隆类型： Polyclonal

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

产品应用： 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：66kDa

细胞定位：细胞浆 细胞膜

性状：Lyophilized or Liquid

浓度：1mg/ml

免疫原：KLH conjugated synthetic peptide derived from human CACNB1:301-400/598

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:

The protein encoded by CACNB1 belongs to the calcium channel beta subunit family. It plays an important role in the calcium channel by modulating G protein inhibition, increasing peak calcium current, controlling the alpha-1 subunit membrane targeting and shifting the voltage dependence of activation and inactivation.

Function:

The beta subunit of voltage-dependent calcium channels contributes to the function of the calcium channel by increasing peak calcium current, shifting the voltage dependencies of activation and inactivation, modulating G protein inhibition and controlling the alpha-1 subunit membrane targeting.

Subunit:

The L-type calcium channel is composed of four subunits: alpha-1, alpha-2, beta and gamma. Interacts with JSRP1. Interacts with RYR1 (By similarity).

Subcellular Location:

Cell membrane, sarcolemma; Peripheral membrane protein; Cytoplasmic side.

Tissue Specificity:

Isoform 1 and isoform 3 are expressed in brain, heart, spleen, central nervous system and neuroblastoma cells. Isoform 2 is expressed in skeletal muscle.

Similarity:

Belongs to the calcium channel beta subunit family.

Contains 1 SH3 domain.

SWISS:

Q02641

Gene ID:

782

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：

