

## L-型电压依赖型钙通道 $\beta$ 抗体

产品货号： mIR2996

英文名称： CACNB2

中文名称： L-型电压依赖型钙通道  $\beta$  抗体

别名： Voltage-dependent L-type calcium channel subunit beta-2; CAB2; Cacnb2; Cacnlb2; VDCC-L Beta; Calcium channel voltage-dependent subunit beta 2; calcium channel, voltage-dependent, beta 2 subunit; calcium channel beta 2c subunit; calcium channel L-type beta 2 subunit; CACB2\_HUMAN.

研究领域： 心血管 细胞生物 免疫学 神经生物学 通道蛋白

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Chicken, Dog, 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： 74kDa

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 CACNB2:551-655/655

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：** This gene encodes a subunit of a voltage-dependent calcium channel protein that is a member of the voltage-gated calcium channel superfamily. The gene product was originally identified as an antigen target in Lambert-Eaton myasthenic syndrome, an autoimmune disorder. Mutations in this gene are associated with Brugada syndrome. Alternatively spliced variants encoding different isoforms have been described. [provided by RefSeq, Feb 2013]

**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 RRAD. Interaction with RRAD regulates the trafficking of CACNA1C to the cell membrane.

**Subcellular Location:**

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

**Similarity:**

Belongs to the calcium channel beta subunit family.

Contains 1 SH3 domain.

**SWISS:**

Q08289

**Gene ID:**

783

**Important Note:**

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

电压依赖性钙通道(VDCC)是生物体内一大类钙通道蛋白,随着膜电位的改变而出现通道的开放、关闭和失活,调节细胞内  $\text{Ca}^{2+}$  浓度,最终产生生物学效应.其亚型结构各异,VDCC  $\beta$  亚基具有调节其通道活性的作用,VDCC 存在的普遍性决定了其作用的广泛性.在胰腺、心、脑、肾上腺、视网膜及神经等组织器官均有不同程度的分布.