磷酸化电压门控性钾通道蛋白 Kv4.2 抗体

产品货号： mlR20293

英文名称： phospho-Kv4.2 (Thr607)

中文名称： 磷酸化电压门控性钾通道蛋白 Kv4.2 抗体

别　　名： p-KCND2/Kv4.2(Thr607); p-Kv4.2(Thr607); Potassium voltage-gated channel subfamily D member 2; KCD2; KCND 2; KCND2; KCND2_HUMAN; KIAA1044; Potassium voltage gated channel Shal related subfamily member 2; RK 5; RK5; Voltage gated potassium channel Kv4.2; Voltage gated potassium channel subunit Kv4.2; Voltage sensitive potassium channel; voltage-gated potassium channel Kv4.2; Voltage-gated potassium channel subunit Kv4.2; voltage-sensitive potassium channel.

产品类型： 磷酸化抗体

研究领域： 心血管　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, Pig, Cow, Rabbit,

产品应用： WB=1:500-2000 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： 70kDa

细胞定位： 细胞膜

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthesised phosphopeptide derived from human KCND2 around the phosphorylation site of Thr607 :VT(p-T)PE

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 0.01M PBS, pH 7.4

mlbio 酶联生物
Good elisakit producers

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:

Voltage-gated K+ channels in the plasma membrane control the repolarization and the frequency of action potentials in neurons, muscles, and other excitable cells. Pore-forming (alpha) subunit of voltage-gated rapidly inactivating A-type potassium channels. May contribute to I(To) current in heart and I(Sa) current in neurons. Channel properties are modulated by interactions with other alpha subunits and with regulatory subunits.

Function:

Pore-forming (alpha) subunit of voltage-gated rapidly inactivating A-type potassium channels. May contribute to I(To) current in heart and I(Sa) current in neurons. Channel properties are modulated by interactions with other alpha subunits and with regulatory subunits.

Subunit:

Homotetramer or heterotetramer with KCND1 and/or KCND3. Interacts with DPP6, DLG4 and NCS1/FREQ (By similarity). Interacts with DLG1. Associates with the regulatory subunits KCNIP1, KCNIP2, KCNIP3 and KCNIP4. Probably part of a complex consisting of KCNIP1, KCNIP2 isoform 3 and KCND2. The KCND2-KCNIP2 channel complex contains four KCND2 and four KCNIP2 subunits. Interacts with FLNA, FLNC and DPP10.

Subcellular Location:

Cell membrane. Cell projection > dendrite. Detected in dendrites in cultured hippocampal neurons. Association with KCNIP2 probably enhances cell surface expression.

Tissue Specificity:

Highly expressed throughout the brain. Expression is very low or absent in other tissues.

Post-translational modifications:

Phosphorylated on serine and threonine residues.

Similarity:

Belongs to the potassium channel family. D (Shal) (TC 1.A.1.2) subfamily. Kv4.2/KCND2 sub-subfamily.

SWISS:

Q9NZV8

Gene ID:

3751

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

mlbio 酶联生物
Good elisakit producers