

钾钠超极化激活环核苷酸门控通道蛋白 3 抗体

产品货号： mlR9856

英文名称： HCN3

中文名称： 钾/钠超极化激活环核苷酸门控通道蛋白 3 抗体

别名： Hcn3; HCN3_HUMAN; hyperpolarization activated cyclic nucleotide-gated potassium channel 3; KIAA1535; potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 3.

研究领域： 心血管 神经生物学 信号转导 通道蛋白

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Cow, Horse, Rabbit,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:50-200 (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： 86kDa

细胞定位： 细胞膜

性状： Lyophilized or Liquid

浓度： 1mg/ml

免疫原： KLH conjugated synthetic peptide derived from human HCN3:51-150/774

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 : Hyperpolarization-activated, cyclic nucleotide-binding channels (HCN) are voltage-gated cation channels that are activated by direct binding of intracellular cyclic nucleotides. The HCN family consists of four members (HCN1-4), each with a core transmembrane segment domain and a C-terminal 120 amino-acid cyclic nucleotide-binding domain motif. HCN channels are expressed in the brain, heart, thalamus and testis. The pacemaker properties of HCN channels contribute to spontaneous rhythmic activity in the brain and heart. HCN3 contains a segment characterized by a series of positively charged amino acids at every third position. This region designated S4 is likely to be the voltage sensor of the protein. In the brain, HCN3 and HCN4 exhibit subcortical distribution mainly concentrated in the hypothalamus and thalamus, respectively.

Function:

Putative hyperpolarization-activated ion channel exhibiting weak selectivity for potassium over sodium ions (By similarity).

Subunit:

The potassium channel is probably composed of a homo- or heterotetrameric complex of pore-forming subunits.

Subcellular Location:

Membrane; Multi-pass membrane protein.

Similarity:

Belongs to the potassium channel HCN family.

Contains 1 cyclic nucleotide-binding domain.

SWISS:

Q9P1Z3

Gene ID:

57657

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

