

产品名称: GIRK-1 Rabbit Monoclonal Antibody
产品货号: AMRe03997



产品概述 (Summary)

产品名称 (Production Name)	GIRK-1 Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,FC
种属反应性 (Reactivity)	Human, Mouse, Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% protective protein.
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	KCNJ3
别名 (Alternative Names)	G protein-activated inward rectifier potassium channel 1; GIRK-1; Inward rectifier K(+) channel Kir3.1; Potassium channel, inwardly rectifying subfamily J member 3; KCNJ3; GIRK1
基因 ID (Gene ID)	3760.0
蛋白 ID (SwissProt ID)	P48549.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:1000,FC 1:50-1:100
蛋白分子量 (Molecular Weight)	Calculated MW:57 kDa;Observed MW: 57 kDa

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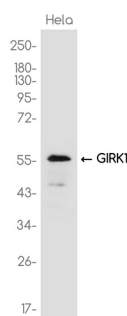


研究背景 (Background)

G protein-coupled inwardly rectifying potassium channels (KIR3.1 through KIR3.4) are coupled to numerous neurotransmitter receptors in the brain and are abundantly expressed in the olfactory bulb, hippocampus, neocortex, dentate gyrus, cerebellar cortex and thalamus regions of the brain. Also known as GIRK, KIR3 potassium channels localize to the soma and dendrites as well as axons of neurons. Liberated G β y subunits from G protein heterotrimers bind to and regulate KIR3 channel activity. G β 3- and G β 4-containing G β y dimers bind directly to cytoplasmic domains of KIR3 proteins and increase the K⁺ current while G β 5-containing G β y dimers inhibit KIR3 K⁺ current. KIR3 activity is also inhibited by tyrosine phosphorylation. Brain-derived neurotrophic factor activates receptor tyrosine kinase B, which then phosphorylates KIR3 tyrosine residues, effectively inactivating the KIR3 channels.

研究领域 (Research Area)

图片 (Image Data)



Western blot analysis of GIRK-1 in HeLa lysates using GIRK-1 antibody.

注意事项 (Note)

For research use only .