abcam

Product datasheet

Anti-KCNMB4 antibody ab57278

1 图像

概述

产品名称	Anti-KCNMB4抗体
描述	小鼠单克隆抗体to KCNMB4
宿主	Mouse
经测试应用	**适用于:** ELISA
种属反应性	**与反应:** Human
免疫原	Recombinant full length protein, corresponding to amino acids 1-211 of Human KCNMB4

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: None PBS, pH 7.2
纯度	Protein G purified
克隆	单克隆
同种型	IgG1
轻链类型	kappa

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab57278于以下的经测试应用**

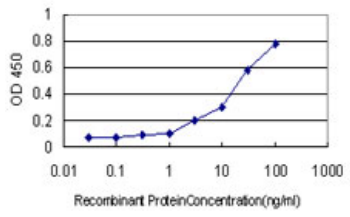
"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ELISA		Use at an assay dependent dilution.

靶标

功能	Regulatory subunit of the calcium activated potassium KCNMA1 (maxiK) channel. Modulates the calcium sensitivity and gating kinetics of KCNMA1, thereby contributing to KCNMA1 channel diversity. Decreases the gating kinetics and calcium sensitivity of the KCNMA1 channel, but with fast deactivation kinetics. May decrease KCNMA1 channel openings at low calcium concentrations but increases channel openings at high calcium concentrations. Makes KCNMA1 channel resistant to 100 nM charybdotoxin (CTX) toxin concentrations.
组织特异性	Predominantly expressed in brain. In brain, it is expressed in the cerebellum, cerebral cortex, medulla, spinal cord, occipital pole, frontal lobe, temporal lobe, putamen, amygdala, caudate nucleus, corpus callosum, hippocampus, substantia nigra and thalamus. Weakly or not expressed in other tissues.
序列相似性	Belongs to the KCNMB (TC 8.A.14.1) family. KCNMB4 subfamily.
结构域	Resistance to charybdotoxin (CTX) toxin is mediated by the extracellular domain.
翻译后修饰	Phosphorylated. Phosphorylation modulates its effect on KCNMA1 activation kinetics. N-glycosylated. A highly glycosylated form is promoted by KCNMA1. Glycosylation, which is not required for the interaction with KCNMA1 and subcellular location, increases protection against charybdotoxin.
细胞定位	Membrane.

图片



ELISA - Anti-KCNMB4 antibody (ab57278)

Sandwich ELISA. The detection limit for recombinant tagged KCNMB4 is approximately 0.3ng/ml as a capture antibody.

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