

Product datasheet

Anti-KCNE1 antibody ab55274

1 References 1 图像

概述

产品名称	Anti-KCNE1抗体
描述	小鼠单克隆抗体到 KCNE1
经测试应用	适用于: WB
种属反应性	与反应: Recombinant fragment 预测可用于: Human
免疫原	Recombinant fragment: RSKKLEHSND PFNVYIESDA WQEKDKAYVQ ARVLESYRSC YVVENHLAIE QPNTLHPETK PSP, corresponding to amino acids 67-130 of Human KCNE1 Run BLAST with ExPASy Run BLAST with NCBI

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

Our [Abpromise guarantee](#) covers the use of **ab55274** in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
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WB

应用说明 WB: Use at a concentration of 1-5 µg/ml.

This antibody has only been tested in WB against the recombinant fragment used as

immunogen. We have no data on the detection of endogenous protein.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

靶标

功能

Ancillary protein that assembles as a beta subunit with a voltage-gated potassium channel complex of pore-forming alpha subunits. Modulates the gating kinetics and enhances stability of the channel complex. Assembled with KCNQ1/KVLQT1 is proposed to form the slowly activating delayed rectifier cardiac potassium (IKs) channel. The outward current reaches its steady state only after 50 seconds. Assembled with KCNH2/HERG may modulate the rapidly activating component of the delayed rectifying potassium current in heart (IKr).

组织特异性

Expressed in heart, lung, kidney, testis, ovaries, small intestine, peripheral blood leukocytes. Not detected in pancreas, spleen, prostate and colon. Restrictively localized in the apical membrane portion of epithelial cells.

疾病相关

Jervell and Lange-Nielsen syndrome 2 (JLNS2) [MIM:612347]: An autosomal recessive disorder characterized by congenital deafness, prolongation of the QT interval, syncopal attacks due to ventricular arrhythmias, and a high risk of sudden death. Note=The disease is caused by mutations affecting the gene represented in this entry.

Long QT syndrome 5 (LQT5) [MIM:613695]: A heart disorder characterized by a prolonged QT interval on the ECG and polymorphic ventricular arrhythmias. They cause syncope and sudden death in response to exercise or emotional stress, and can present with a sentinel event of sudden cardiac death in infancy. Note=The disease is caused by mutations affecting the gene represented in this entry.

序列相似性

Belongs to the potassium channel KCNE family.

翻译后修饰

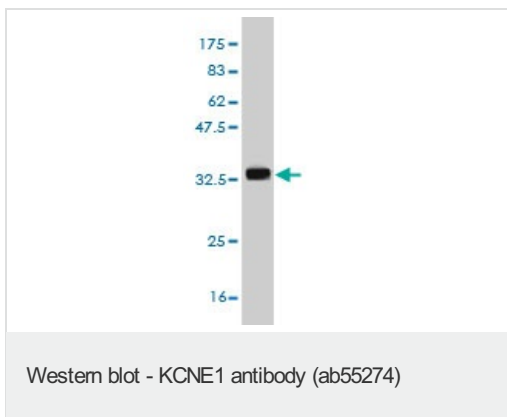
Phosphorylation inhibits the potassium current.

N-glycosylation at Asn-26 occurs post-translationally, and requires prior cotranslational glycosylation at Asn-5.

细胞定位

Membrane.

Anti-KCNE1 antibody 图像



Western blot against tagged recombinant protein immunogen using ab55274 KCNE1 antibody at 1ug/ml. Predicted band size of immunogen is 33 kDa.

This antibody has only been tested in WB against the recombinant fragment used as immunogen. We have no data on the detection of endogenous protein.

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