


Product datasheet

Anti-KCNQ4 antibody ab110373

1 图像

概述

产品名称	Anti-KCNQ4抗体
描述	兔多克隆抗体to KCNQ4
经测试应用	适用于: WB
种属反应性	与反应: Human 预测可用于: Mouse 
免疫原	Synthetic peptide derived from the C terminal of Human KCNQ4.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol, 0.88% Sodium chloride
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab110373** 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
WB		1/500 - 1/1000. Predicted molecular weight: 77 kDa.

靶标

功能 Probably important in the regulation of neuronal excitability. May underlie a potassium current

involved in regulating the excitability of sensory cells of the cochlea. KCNQ4 channels are blocked by linopirdin, XE991 and bepridil, whereas clofilium is without significant effect. Muscarinic agonist oxotremorine-M strongly suppress KCNQ4 current in CHO cells in which cloned KCNQ4 channels were coexpressed with M1 muscarinic receptors.

组织特异性

Expressed in the outer, but not the inner, sensory hair cells of the cochlea. Slightly expressed in heart, brain and skeletal muscle.

疾病相关

Defects in KCNQ4 are the cause of deafness autosomal dominant type 2A (DFNA2A) [MIM:600101]. DFNA2A is a form of sensorineural hearing loss. Sensorineural deafness results from damage to the neural receptors of the inner ear, the nerve pathways to the brain, or the area of the brain that receives sound information.

序列相似性

Belongs to the potassium channel family. KQT (TC 1.A.1.15) subfamily. Kv7.4/KCNQ4 subfamily.

结构域

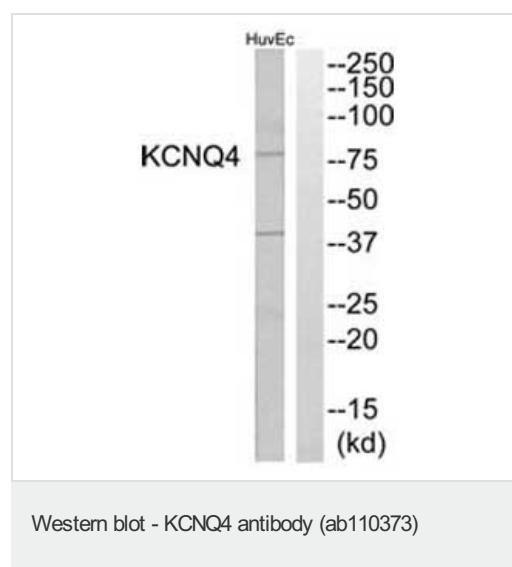
The segment S4 is probably the voltage-sensor and is characterized by a series of positively charged amino acids at every third position.

The A-domain tail carries the major determinants of channel assembly specificity. Its coiled-coil region is Four-stranded.

细胞定位

Basal cell membrane. Situated at the basal membrane of cochlear outer hair cells.

图片



Predicted band size : 77 kDa

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