


Product datasheet

Anti-Kv4.2 antibody ab66639

1 图像

概述

产品名称	Anti-Kv4.2抗体
描述	兔多克隆抗体to Kv4.2
经测试应用	适用于: IHC-P, IHC-Fr, WB, ICC/IF
种属反应性	与反应: Human 预测可用于: Mouse, Rat 
免疫原	Synthetic peptide derived from the C terminal domain of human Kv4.2.

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	Preservative: None Constituents: Whole serum
纯度	Whole antiserum
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab66639** in the following tested applications.

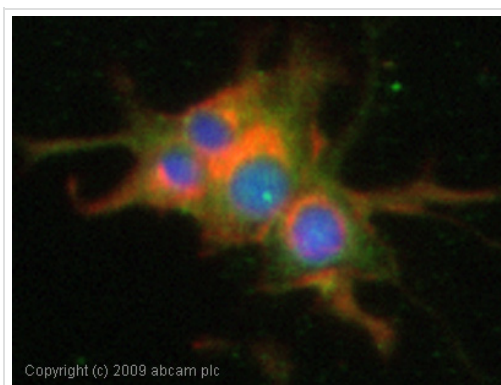
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
IHC-P		Use at an assay dependent concentration.
IHC-Fr		Use at an assay dependent concentration.
WB		1/1000 - 1/5000. Predicted molecular weight: 70 kDa.
ICC/IF		1/1000.

## 靶标

<b>功能</b>	Pore-forming (alpha) subunit of voltage-gated rapidly inactivating A-type potassium channels. May contribute to I(To) current in heart and I(Sa) current in neurons. Channel properties are modulated by interactions with other alpha subunits and with regulatory subunits.
<b>组织特异性</b>	Highly expressed throughout the brain. Expression is very low or absent in other tissues.
<b>序列相似性</b>	Belongs to the potassium channel family. D (Shal) (TC 1.A.1.2) subfamily. Kv4.2/KCND2 sub-subfamily.
<b>结构域</b>	The segment S4 is probably the voltage-sensor and is characterized by a series of positively charged amino acids at every third position.
<b>翻译后修饰</b>	Phosphorylated on serine and threonine residues.
<b>细胞定位</b>	Cell membrane. Cell projection > dendrite. Detected in dendrites in cultured hippocampal neurons. Association with KCNIP2 probably enhances cell surface expression.

## 图片



Immunocytochemistry/ Immunofluorescence - Kv4.2 antibody (ab66639)

ICC/IF image of ab66639 stained PC12 cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab66639, 1/1000 dilution) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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