

Anti-Kv4.2/KCND2 antibody ab123543

3 References **2 图像**

概述

产品名称	Anti-Kv4.2/KCND2抗体
描述	兔多克隆抗体to Kv4.2/KCND2
宿主	Rabbit
经测试应用	适用于: WB, ICC/IF
种属反应性	与反应: Mouse, Rat, Human 预测可用于: Rabbit, Chicken, Cow, Dog, Pig, Macaque monkey, Chinese hamster, Orangutan
免疫原	Synthetic peptide corresponding to Human Kv4.2/KCND2 aa 600 to the C-terminus conjugated to keyhole limpet haemocyanin. (Peptide available as ab138806)
阳性对照	This antibody gave a positive signal in Mouse and Rat Heart tissue lysates. This antibody gave a positive result in IF in the following Formaldehyde fixed cell line: SKNSH
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS
	Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab123543于以下的经测试应用

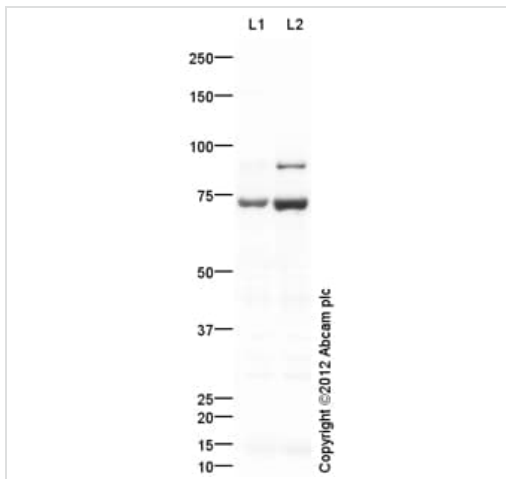
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 74 kDa (predicted molecular weight: 70 kDa).
ICC/IF		Use a concentration of 5 µg/ml.

靶标

功能	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.
组织特异性	Highly expressed throughout the brain. Expression is very low or absent in other tissues.
序列相似性	Belongs to the potassium channel family. D (Shal) (TC 1.A.1.2) subfamily. Kv4.2/KCND2 sub-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.
翻译后修饰	Phosphorylated on serine and threonine residues.
细胞定位	Cell membrane. Cell projection > dendrite. Detected in dendrites in cultured hippocampal neurons. Association with KCNIP2 probably enhances cell surface expression.

图片



Western blot - Anti-Kv4.2/KCND2 antibody
(ab123543)

All lanes : Anti-Kv4.2/KCND2 antibody (ab123543) at 1 µg/ml

Lane 1 : Heart (Mouse) Tissue Lysate

Lane 2 : Heart (Rat) Tissue Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) preadsorbed
([ab97080](#)) at 1/5000 dilution

Developed using the ECL technique.

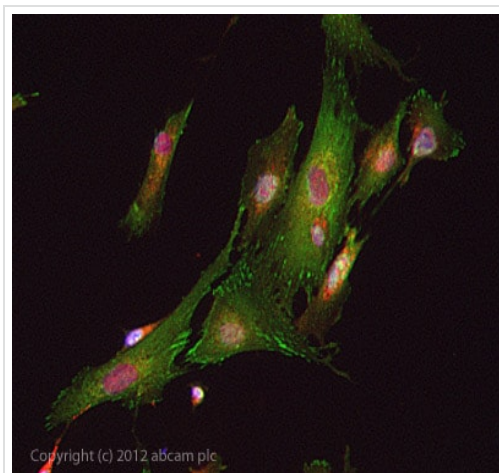
Performed under reducing conditions.

Predicted band size: 70 kDa

Observed band size: 74 kDa

Additional bands at: 90 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 4 minutes



Immunocytochemistry/ Immunofluorescence - Anti-
Kv4.2/KCND2 antibody (ab123543)

ab123543 stained SKNSH cells. The cells were 4% formaldehyde fixed (10 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 ab123543 at 5µg/ml overnight at +4°C. The secondary antibody (green) was DyLight® 488 goat anti- rabbit ([ab96899](#)) 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.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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