


Anti-KCC2 antibody ab97502

★★★★★ [1 Abreviews](#) [2 References](#) [2 图像](#)

概述

产品名称	Anti-KCC2抗体
描述	兔多克隆抗体to KCC2
宿主	Rabbit
经测试应用	适用于: ICC/IF, WB
种属反应性	与反应: Rat 预测可用于: Mouse, Cow, Dog, Human 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	This antibody gave a positive signal in the following rat tissue lysates: brain; cortex; hippocampus.
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 ab97502 于以下的经测试应用

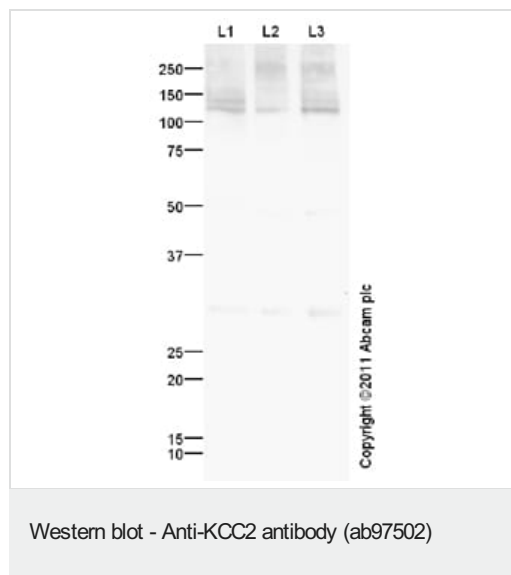
“应用说明”部分 下显示的仅为推荐的起始稀释度；实际最佳的稀释度/浓度应由使用者检定。

应用	Ab 评论	说明
ICC/IF		Use a concentration of 5 µg/ml.
WB	★★★★★ (1)	Use a concentration of 1 µg/ml. Detects a band of approximately 126 kDa (predicted molecular weight: 126 kDa).

靶标

功能	Mediates electroneutral potassium-chloride cotransport in mature neurons. Transport occurs under isotonic conditions, but is activated 20-fold by cell swelling. Important for Cl ⁻ homeostasis in neurons.
组织特异性	Brain specific. Detected in neuronal cells.
序列相似性	Belongs to the SLC12A transporter family.
细胞定位	Membrane.

图片



All lanes : Anti-KCC2 antibody (ab97502) at 1 µg/ml

Lane 1 : Brain (Rat) Tissue Lysate

Lane 2 : Rat Cortex Tissue Lysate

Lane 3 : Rat Hippocampus 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.

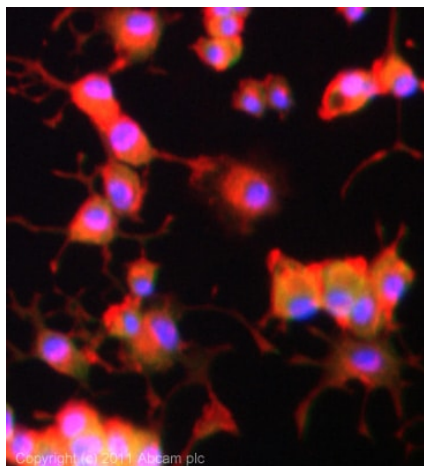
Performed under reducing conditions.

Predicted band size: 126 kDa

Observed band size: 126 kDa

Additional bands at: 250 kDa, 30 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 2 minutes



Immunocytochemistry/ Immunofluorescence - Anti-KCC2 antibody (ab97502)

ICC/IF image of ab97502 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 (ab97502, 5µg/ml) overnight at +4°C. The secondary antibody (green) was **ab96899**, DyLight® 488 goat anti-rabbit IgG (H+L) used at a 1/250 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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