abcam

Product datasheet

Anti-KCNK1/TWIK1 antibody ab224381

2 Images

Overview

Product name	Anti-KCNK1/TWIK1 antibody
Description	Rabbit polyclonal to KCNK1/TWIK1
Host species	Rabbit
Tested applications	**Suitable for:** IHC-P, ICC/IF
Species reactivity	**Reacts with:** Human **Predicted to work with:** Rabbit, Orangutan
Immunogen	Recombinant fragment corresponding to Human KCNK1/TWIK1 aa 250 to the C-terminus. Database link: **O00180** Run BLAST with Run BLAST with
Positive control	IHC: Human cerebellum tissue. ICC/IF: HeLa cells.
General notes	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. 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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab224381 in the following tested applications.

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

Application	Abreviews	Notes
IHC-P		1/200 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		Use a concentration of 0.25 - 2 µg/ml. Fixation/Permeabilization: PFA/Triton X-100.

Target

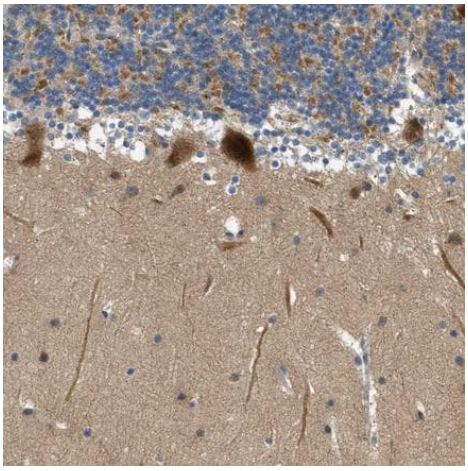
Function Weakly inward rectifying potassium channel.

Tissue specificity Widely expressed with high levels in heart and brain and lower levels in placenta, lung, liver and kidney.

Sequence similarities Belongs to the two pore domain potassium channel (TC 1.A.1.8) family.

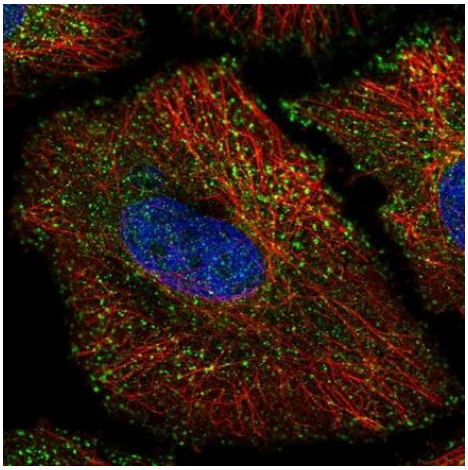
Cellular localization Membrane.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-KCNK1/TWIK1 antibody (ab224381)

Paraffin-embedded human cerebellum tissue stained for KCNK1/TWIK1 using ab224381 at 1/200 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence - Anti-KCNK1/TWIK1 antibody (ab224381)

PFA-fixed, Triton X-100 permeabilized HeLa (human epithelial cell line from cervix adenocarcinoma) cells stained for KCNK1/TWIK1 (green) using ab224381 at 4 µg/ml in ICC/IF.

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

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