

Datasheet for ABIN7043446
anti-KCNK18 antibody (1st Extracellular Loop)



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4 Images

Overview

Quantity:	25 µL
Target:	KCNK18
Binding Specificity:	1st Extracellular Loop, AA 62-75
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNK18 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Live Cell Imaging (LCI)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)EAEENPELKKFLDD, corresponding to amino acid residues 62-75 of mouse KCNK18
Isotype:	IgG
Cross-Reactivity (Details):	Unlikely to recognize human samples.
Characteristics:	Anti-KCNK18 (TRESK) (extracellular) Antibody is directed against an epitope of mouse KCNK18. Anti-KCNK18 (TRESK) (extracellular) Antibody (ABIN7043446, ABIN7045021 and ABIN7045022)) can be used in western blot, immunohistochemistry and live cell imaging applications. It has been designed to recognize TRESK channel from mouse and rat samples. The antibody will unlikely recognize TRESK from human samples.

Product Details

Purification: Affinity purified on immobilized antigen.

Target Details

Target: KCNK18

Alternative Name: KCNK18 (TRESK) ([KCNK18 Products](#))

Background: Alternative names: KCNK18 (TRESK), Potassium channel subfamily K member 18, TWIK-related spinal cord K⁺ channel, K2P18.1

Gene ID: 332396

NCBI Accession: [NM_181840](#)

UniProt: [Q6VV64](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: 25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.

Concentration: 0.8 mg/mL

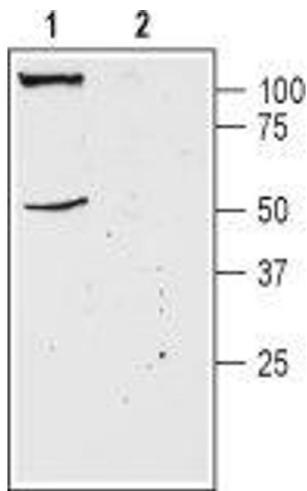
Buffer: Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: RT, 4 °C, -20 °C

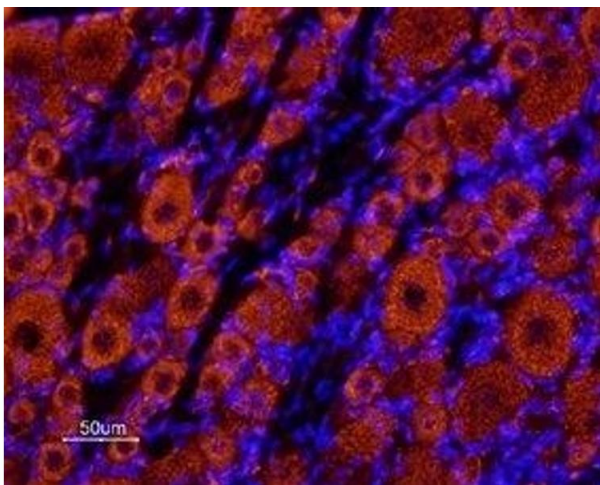
Storage Comment: Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.
Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).



Western Blotting

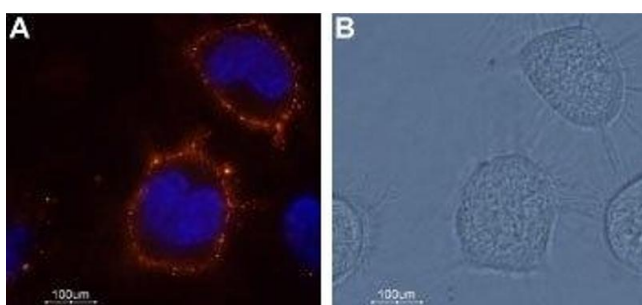
Image 1. Western blot analysis of mouse brain membranes:

- 1. Anti-KCNK18 (TRESK) (extracellular) Antibody (ABIN7043446, ABIN7045021 and ABIN7045022), (1:200).
- 2. Anti-KCNK18 (TRESK) (extracellular) Antibody, preincubated with KCNK18/TRESK (extracellular) Blocking Peptide (#BLP-PC122).



Immunohistochemistry

Image 2. Expression of KCNK18 in rat dorsal root ganglia - Immunohistochemical staining of rat dorsal root ganglia (DRG) frozen sections using Anti-KCNK18 (TRESK) (extracellular) Antibody (ABIN7043446, ABIN7045021 and ABIN7045022), (1:100) followed by Alexa 555-labeled secondary antibody (red staining). Both big/medium sized neurons and small neurons are stained. Note that glial cells and axonal fibers are not stained. Hoechst 33342 is used as the counterstain (blue staining).



Immunocytochemistry

Image 3. Expression of KCNK18 in ND7/23 cell line - Cell surface detection of KCNK18 in living mouse/rat neuroblastoma x dorsal root ganglion neuron hybrid cell line (ND7/23). A. Extracellular staining of cells with Anti-KCNK18 (TRESK) (extracellular) Antibody (ABIN7043446, ABIN7045021 and ABIN7045022), (1:50) followed by goat-anti-rabbit-AlexaFluor-555 secondary antibody (red). Nuclei were visualized with the cell permeable dye Hoechst 33342 (blue staining). B. Show visible light images of the cells shown on (A).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7043446.