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Datasheet for ABIN7043454 anti-KCNK4 antibody (C-Term, Intracellular)





Overview

Quantity:	0.2 mL
Target:	KCNK4
Binding Specificity:	AA 343-359, C-Term, Intracellular
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNK4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Product Details	
Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: NLAFIDESSDTQSERGC, corresponding to amino acid residues 343-359 of human KCNK4
lsotype:	lgG
Characteristics:	Anti-KCNK4 (TRAAK) Antibody (ABIN7043454, ABIN7045004 and ABIN7045005)) is a highly specific antibody directed against an epitope of the human protein. The antibody can be used in western blot and immunohistochemistry applications. It has been designed to recognize KCNK4 from rat, mouse, and human samples.

Purification: Affinity purified on immobilized antigen.

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Target Details

Target:	KCNK4
Alternative Name:	KCNK4 (TRAAK) (KCNK4 Products)
Background:	Alternative names: KCNK4 (TRAAK), Potassium channel subfamily K member 4, K2P4.1, TWIK- related arachidonic acid-stimulated K+ channel protein, Two pore K+ channel KT4.1
Gene ID:	50801
NCBI Accession:	NM_033311
UniProt:	Q9NYG8

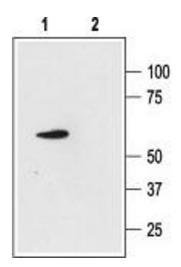
Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

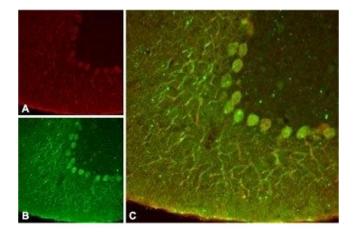
Lyophilized
50 μL or 0.2 mL double distilled water (DDW), depending on the sample size.
0.8 mg/mL
Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Sodium azide
This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
RT,4 °C,-20 °C
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).

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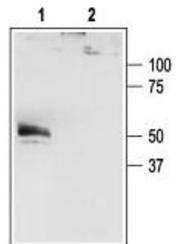
Western Blotting

Image 1. Western blot analysis of rat cerebellum lysate: -1. Anti-KCNK4 (TRAAK)Antibody(ABIN7043454,ABIN7045004andABIN7045005), (1:200).2.Anti-KCNK4 (TRAAK)Antibody,preincubatedwithKCNK4/TRAAK Blocking Peptide (#BLP-PC108).



Immunohistochemistry

Image 2. Expression of KCNK4 in rat cerebellum -Immunohistochemical staining of rat cerebellum using Anti-KCNK4 (TRAAK) Antibody (ABIN7043454, ABIN7045004 and ABIN7045005)). A. KCNK4 channel appears in Purkinje neuronal processes (red). B. Staining of Purkinje nerve cells with mouse anti-calbindin D28K (a calcium binding protein, green). C. Confocal merge of KCNK4 channel and calbindin D28K demonstrates the co-localization of these proteins.



Western Blotting

Image 3. Western blot analysis of HEK-293-KCNK4 transfected cells: - 1. Anti-KCNK4 (TRAAK) Antibody (ABIN7043454, ABIN7045004 and ABIN7045005), (1:200).2. Anti-KCNK4 (TRAAK) Antibody, preincubated with KCNK4/TRAAK Blocking Peptide (#BLP-PC108).

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