Datasheet for ABIN7043451

anti-KCNK2 antibody (Intracellular, N-Term)

2 Images

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Overview

Quantity:	25 µL
Target:	KCNK2
Binding Specificity:	AA 8-25, Intracellular, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Guinea Pig
Clonality:	Polyclonal
Conjugate:	This KCNK2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: DPKSAAQNSKPRLSFSTK(C), corresponding to residues 8-25 of human KCNK2
Isotype:	IgG
Characteristics:	Guinea pig Anti-KCNK2 (TREK-1) Antibody (#) raised in guinea pig, 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 TREK-1 from mouse, rat, and human samples. The antigen used to immunize guinea pigs is the same as Anti-KCNK2 (TREK-1) Antibody (ABIN7043452, ABIN7044957 and ABIN7044958)) raised in rabbit. Our line of guinea pig antibodies enables more flexibility with our products such as multiplex staining studies, immunoprecipitation, etc.

Product Details

Purification:	Affinity purified on immobilized antigen.

Target Details

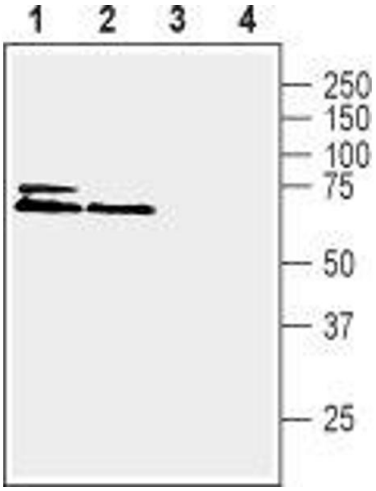
Target:	KCNK2
Alternative Name:	KCNK2 (TREK-1) (KCNK2 Products)
Background:	Alternative names: KCNK2 (TREK-1), Potassium channel subfamily K member 2, Outward rectifying potassium channel protein TREK-1, Twik-related K+ channel 1, K2P2.1, TPKC1
Gene ID:	3776
NCBI Accession:	NM_014217
UniProt:	O95069

Application Details

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

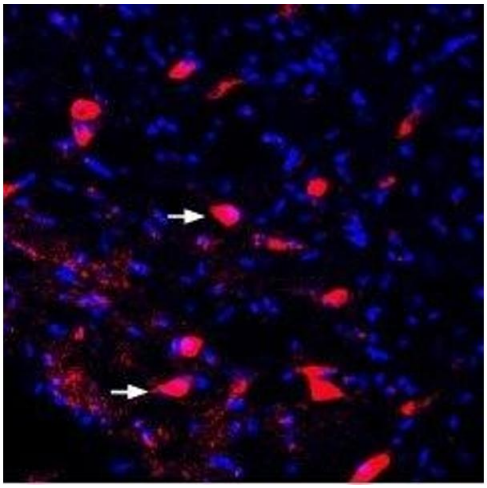
Handling

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 rat brain membranes (lanes 1 and 3) and mouse brain membranes (lanes 2 and 4): - 1,2. Guinea pig Anti-KCNK2 (TREK-1) Antibody (ABIN7043451, ABIN7045404 and ABIN7045405), (1:800).3,4. Guinea pig Anti-KCNK2 (TREK-1) Antibody, preincubated with KCNK2/TREK-1 Blocking Peptide (#BLP-PC047).



Immunohistochemistry

Image 2. Expression of KCNK2 (TREK-1) in rat midbrain - Immunohistochemical staining of perfusion-fixed frozen rat brain sections using Guinea pig Anti-KCNK2 (TREK-1) Antibody (ABIN7043451, ABIN7045404 and ABIN7045405), (1:400), followed by goat-anti-guinea pig-Cy3 antibody. TREK-1 staining (red) appears in neurons in the rat lateral substantia nigra (arrows). Nuclei are stained with DAPI (blue).