Datasheet for ABIN7043631

anti-KCNN3 antibody (Intracellular, N-Term)

2 Images

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Overview

Quantity:	25 µL
Target:	KCNN3
Binding Specificity:	AA 2-21, Intracellular, N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNN3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: DTSGHFHDSGVGDLDEDPKC, corresponding to amino acid residues 2-21 of human KCNN3
Isotype:	IgG
Characteristics:	Anti-KCNN3 (KCa2.3, SK3) (N-term) Antibody (ABIN7043631, ABIN7044932 and ABIN7044933)) is a highly specific antibody directed against an intracellular epitope at the N-terminus of the human KCNN3 channel. The antibody can be used in western blot, immunocytochemistry, and immunohistochemistry applications. It has been designed to recognize KCNN3 from human, rat, and mouse samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

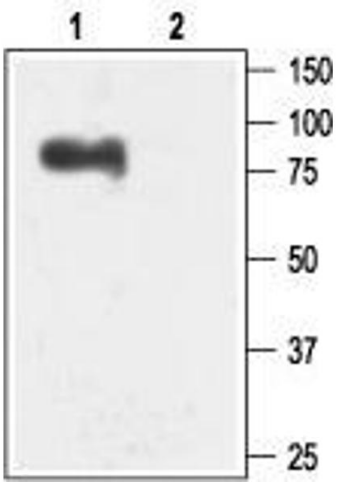
Target:	KCNN3
Alternative Name:	KCNN3 (KCa2.3, SK3) (KCNN3 Products)
Background:	Alternative names: KCNN3 (KCa2.3, SK3), Small conductance calcium-activated potassium channel, SKCa3
Gene ID:	3782
NCBI Accession:	NM_002249
UniProt:	Q9UGI6

Application Details

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

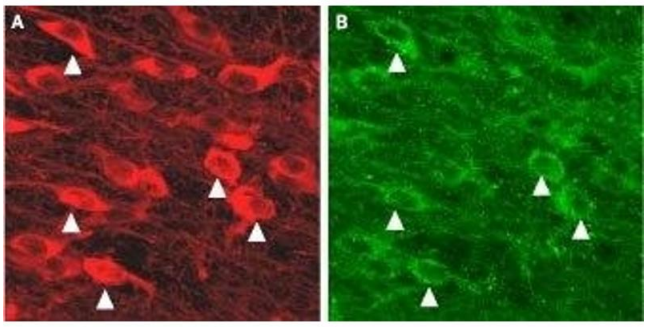
Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.6 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: - 1. Anti-KCNN3 (KCa2.3, SK3) (N-term) Antibody (ABIN7043631, ABIN7044932 and ABIN7044933), (1:200).2. Anti-KCNN3 (KCa2.3, SK3) (N-term) Antibody, preincubated with KCNN3/KCa2.3 (N-term) Blocking Peptide (#BLP-PC025).



Immunohistochemistry

Image 2. Expression of KCa2.3 (SK3) in mouse dopaminergic neurons - Immunohistochemical staining of mouse dopaminergic neurons using Anti-KCNN3 (KCa2.3, SK3) (N-term) Antibody (ABIN7043631, ABIN7044932 and ABIN7044933). A. KCa2.3 is detected in substantia nigra pars compacta. B. Tyrosine hydroxylase staining shows dopaminergic neurons. Triangles point at cells with co-localization.

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