

Datasheet for ABIN7043459

anti-KCNN1 antibody (Intracellular, N-Term)**3** Images[Go to Product page](#)

Overview

Quantity:	50 µL
Target:	KCNN1
Binding Specificity:	AA 75-93, Intracellular, N-Term
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNN1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)DRPGSGKPPTVSHRLGHRR corresponding to amino acid residues 75-93 of rat KCNN1
Isotype:	IgG
Characteristics:	Anti-KCNN1 (KCa2.1, SK1) Antibody (ABIN7043459, ABIN7044948 and ABIN7044949)) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot, immunocytochemistry, and immunohistochemistry applications. It has been designed to recognize KCNN1 from human, rat, and mouse samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

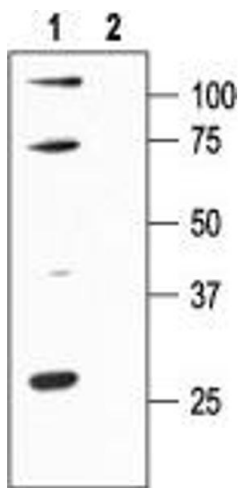
Target:	KCNN1
Alternative Name:	KCNN1 (KCa2.1, SK1) (KCNN1 Products)
Background:	Alternative names: KCNN1 (KCa2.1, SK1), SKCa1, Small conductance calcium-activated potassium channel protein 1
Gene ID:	54261
NCBI Accession:	NM_002248
UniProt:	P70606

Application Details

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

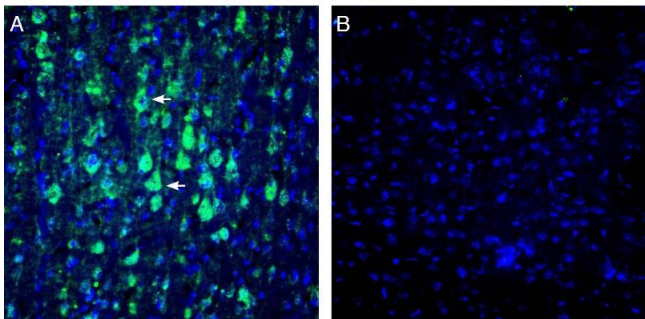
Handling

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:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>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).</p>



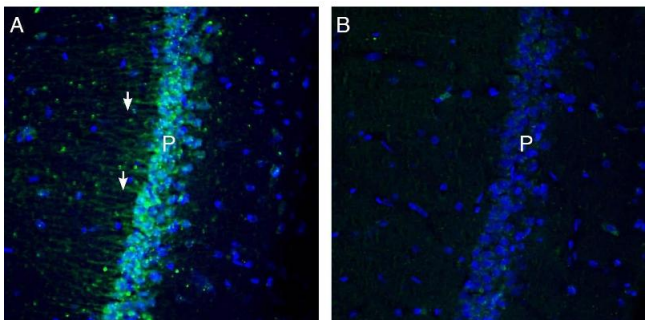
Western Blotting

Image 1. Western blot analysis of rat brain cortex: - 1. Anti-KCNN1 (KCa2.1, SK1) Antibody (ABIN7043459, ABIN7044948 and ABIN7044949), (1:200). 2. Anti-KCNN1 (KCa2.1, SK1) Antibody, preincubated with KCNN1/KCa2.1 Blocking Peptide (#BLP-PC039).



Immunohistochemistry

Image 2. Expression of KCa2.1 in rat parietal cortex. - Immunohistochemical staining of perfusion-fixed frozen rat brain sections with Anti-KCNN1 (KCa2.1, SK1) Antibody (ABIN7043459, ABIN7044948 and ABIN7044949), (1:200), followed by goat anti-rabbit-AlexaFluor-488. A. KCa2.1 immunoreactivity (green) appears in outlines of cortical neurons (arrows). B. Pre-incubation of the antibody with KCNN1 (KCa2.1, SK1) Blocking Peptide (BLP-PC039), suppressed staining. Cell nuclei are stained with DAPI (blue).



Immunohistochemistry

Image 3. Expression of KCa2.1 in rat hippocampus. - Immunohistochemical staining of perfusion-fixed frozen rat brain sections with Anti-KCNN1 (KCa2.1, SK1) Antibody (ABIN7043459, ABIN7044948 and ABIN7044949), (1:200), followed by goat anti-rabbit-AlexaFluor-488. A. Staining in the rat hippocampal CA1 region shows KCa2.1 immunoreactivity (green) in the pyramidal cell layer (P) and apical dendrites (arrows). B. Pre-incubation of the antibody with KCNN1 (KCa2.1, SK1) Blocking Peptide (BLP-PC039), suppressed staining. Cell nuclei are stained with DAPI (blue).