Datasheet for ABIN7043279

anti-HCN2 antibody (Intracellular, N-Term)

5 Images

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Overview

Quantity:	25 µL
Target:	HCN2
Binding Specificity:	AA 147-161, Intracellular, N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HCN2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)EEAGPAGEPRGSQAS, corresponding to amino acid residues 147-161 of human HCN2
Isotype:	IgG
Characteristics:	Anti-HCN2 Antibody (ABIN7043279, ABIN7044940 and ABIN7044941)) is a highly specific antibody directed against an epitope of the human protein. The antibody can be used in western blot, immunoprecipitation, immunohistochemistry, and immunocytochemistry applications. It has been designed to recognize HCN2 from human, rat, and mouse samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

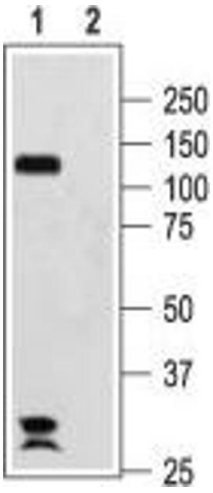
Target:	HCN2
Alternative Name:	HCN2 (HCN2 Products)
Background:	Alternative names: HCN2, Hyperpolarization-activated cyclic nucleotide-gated potassium channel 2, BCNG2, HAC-1
Gene ID:	610
NCBI Accession:	NM_001194
UniProt:	Q9UL51

Application Details

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

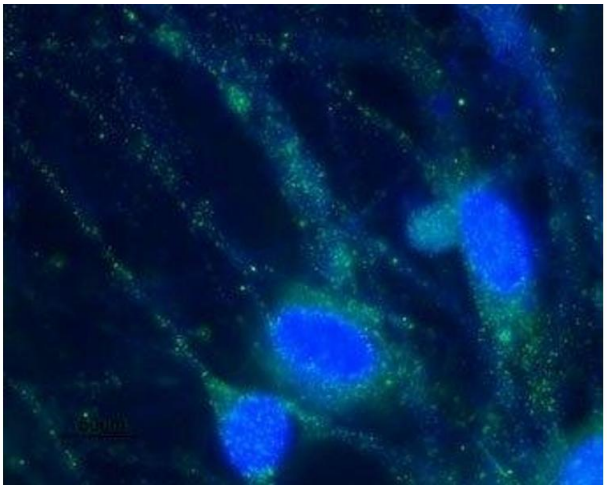
Handling

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).



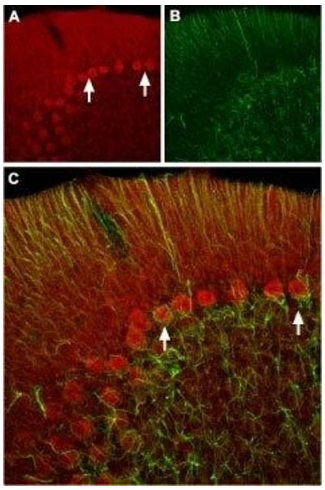
Western Blotting

Image 1. Western blot analysis of rat brain membranes: - 1. Anti-HCN2 Antibody (ABIN7043279, ABIN7044940 and ABIN7044941), (1:200).2. Anti-HCN2 Antibody, preincubated with HCN2 Blocking Peptide (#BLP-PC030).



Immunocytochemistry

Image 2. Expression of HCN2 in rat DRG primary culture - Immunocytochemical staining of paraformaldehyde-fixed and permeabilized rat dorsal root ganglion (DRG) primary culture using Anti-HCN2 Antibody (ABIN7043279, ABIN7044940 and ABIN7044941), (1:100), (green). Cells were stained with Anti-HCN2 Antibody followed by goat anti-rabbit-AlexaFluor-488 secondary antibody. Nuclear staining of cells using the cell-permeable DNA dye Hoechst 33342 (blue).



Immunohistochemistry

Image 3. Expression of HCN2 in rat cerebellum - Immunochistochemical staining of rat cerebellum frozen sections using Anti-HCN2 Antibody (ABIN7043279, ABIN7044940 and ABIN7044941)). A. HCN2 (red) appears in Purkinje cells (arrows). B. Staining of astrocytes with mouse anti-glial fibrillary acidic protein (GFAP, green demonstrates the restriction of HCN2 to neuronal cell bodies. C. Confocal merge of HCN2 and GFAP images demonstrates the respective localization of these proteins.

Please check the product details page for more images. Overall 5 images are available for ABIN7043279.