antibodies

Datasheet for ABIN7043282 anti-HCN3 antibody (2nd Extracellular Loop)





Overview

Quantity:	25 µL
Target:	HCN3
Binding Specificity:	2nd Extracellular Loop, AA 190-201
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HCN3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), Live Cell Imaging (LCI)

Product Details

Immunogen:	Immunogen: Synthetic peptide
	Immunogen Sequence: (C)ELEPRLDAEVYK, corresponding to amino acid residues 190-201 of
	rat HCN3
Isotype:	lgG
Characteristics:	Anti-HCN3 (extracellular) Antibody is directed against an epitope of rat HCN3. Anti-HCN3
	(extracellular) Antibody (ABIN7043282, ABIN7044986 and ABIN7044987)) can be used western
	blot and live cell imaging applications. The antibody recognizes an extracellular epitope and is
	thus ideal for detecting the channel in living cells. It has been designed to recognize HCN3 from
	human, rat and mouse samples.
Purification:	Affinity purified on immobilized antigen.

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Target Details

Target:	HCN3
Alternative Name:	HCN3 (HCN3 Products)
Background:	Alternative names: HCN3, K+/Na+ Hyperpolarization-activated cyclic nucleotide-gated channel 3, BCNG4, Hac3
Gene ID:	114245
NCBI Accession:	NM_020897
UniProt:	Q9JKA8

Application Details

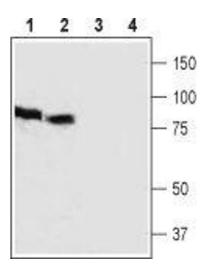
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Lyophilized 25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
25 μL , 50 μL or 0.2 mL double distilled water (DDW), depending on the sample size.
0.85 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,37 °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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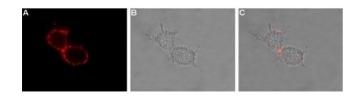


Western Blotting

Image 1. Western blot analysis of rat (lanes 1 and 3) and mouse (lanes 2 and 4) brain lysates: - 1,2. Anti-HCN3 (extracellular) Antibody (ABIN7043282, ABIN7044986 and ABIN7044987), (1:200).3,4. Anti-HCN3 (extracellular) Antibody, preincubated with HCN3 (extracellular) Blocking Peptide (#BLP-PC083). Note: Samples were heated to 37 °C prior to loading on gel.

Immunocytochemistry

Image 2. Expression of HCN3 in rat U-87 MG cells - Cell surface detection of HCN3 in intact living U-87 MG cells. A. Extracellular staining of cells using Anti-HCN3 (extracellular) Antibody (ABIN7043282, ABIN7044986 and ABIN7044987), (1:25) followed by goat anti-rabbit-AlexaFluor-594 secondary antibody (red). B. Live view of the cells. C. Extracellular staining merged with live view of the cells.



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