

Datasheet for ABIN7043281
anti-HCN3 antibody (C-Term, Intracellular)

2 Images

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Overview

Quantity:	25 µL
Target:	HCN3
Binding Specificity:	AA 727-744, C-Term, Intracellular
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (IHC)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)QRATGDGSPRRKGSGSER corresponding to amino acid residues 727-744 of rat HCN3
Isotype:	IgG
Characteristics:	Anti-HCN3 Antibody (ABIN7043281, ABIN7044972 and ABIN7044973)) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot and immunohistochemistry applications. It has been designed to recognize HCN3 from human, rat, and mouse samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

Target:	HCN3
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Target Details

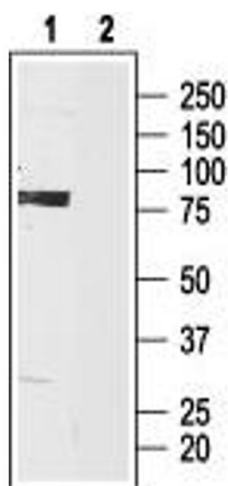
Alternative Name:	HCN3 (HCN3 Products)
Background:	Alternative names: HCN3, K ⁺ /Na ⁺ Hyperpolarization-activated cyclic nucleotide-gated channel 3, BCNG4, Hac3
Gene ID:	114245
NCBI Accession:	NM_020897
UniProt:	Q9JKA8

Application Details

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

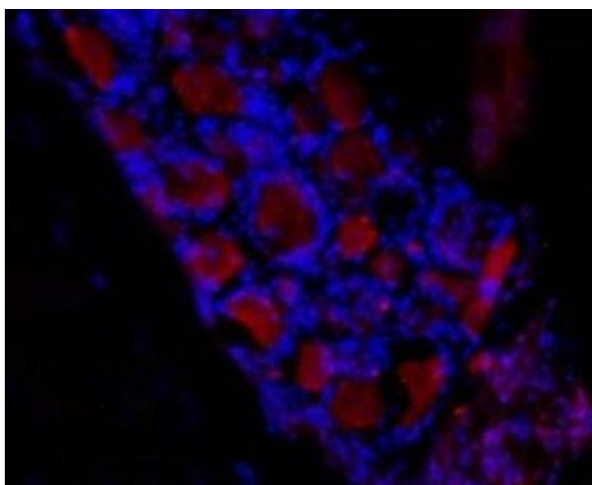
Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.75 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 HCN3 in rat brain lysate: -
1. Anti-HCN3 Antibody (ABIN7043281, ABIN7044972 and ABIN7044973), (1:200). 2. Anti-HCN3 Antibody, preincubated with HCN3 Blocking Peptide (#BLP-PC057).



Immunohistochemistry

Image 2. Expression of HCN3 in rat dorsal root ganglia (DRG) - Immunohistochemical staining of frozen section of rat DRG using Anti-HCN3 Antibody (ABIN7043281, ABIN7044972 and ABIN7044973), (1:50) followed by mouse anti-rabbit Alexa Fluor 555 (red). Staining is present in neuronal cell bodies. Hoechst 33342 (blue) is used as counterstain.