Datasheet for ABIN7043643

anti-SCN3A antibody (Intracellular)

3 Images

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Overview

Quantity:	25 µL
Target:	SCN3A
Binding Specificity:	AA 511-524, Intracellular
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SCN3A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Immunoprecipitation (IP)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)HLEGNHRADGDRFP, corresponding to amino acid residues 511-524 rat NaV1.3
Isotype:	IgG
Characteristics:	Anti-SCN3A (NaV1.3) Antibody (ABIN7043643, ABIN7045227 and ABIN7045228)) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot, immunoprecipitation, and immunohistochemistry, and immunocytochemistry applications. It has been designed to recognize NaV1.3 from rat, human, and mouse samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

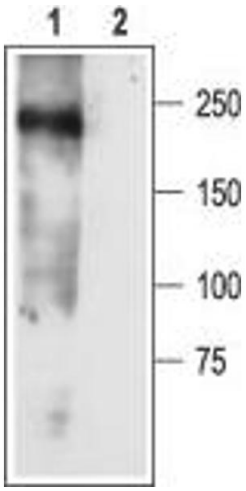
Target:	SCN3A
Alternative Name:	SCN3A (NaV1.3) (SCN3A Products)
Background:	Alternative names: SCN3A (NaV1.3), BIII, Brain type III Na+ channel, Sodium channel protein type 3 subunit alpha
Gene ID:	497770
NCBI Accession:	NM_006922
UniProt:	P08104

Application Details

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

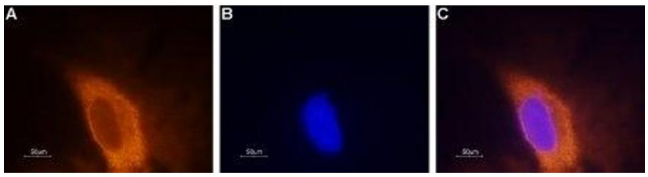
Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	1 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).



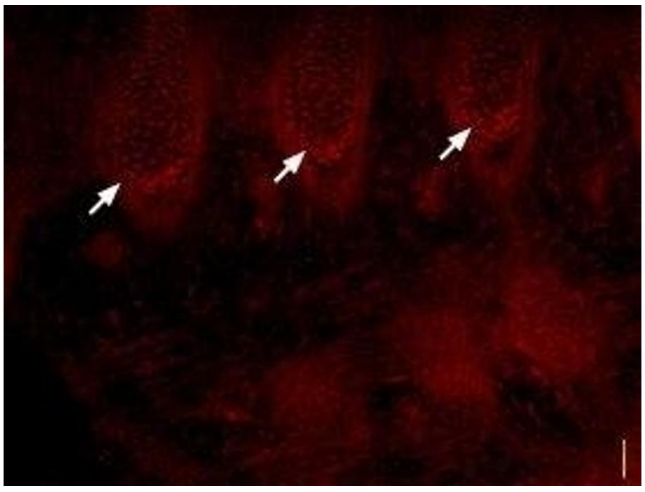
Western Blotting

Image 1. Western blot analysis of rat newborn brain membranes: - 1. Anti-SCN3A (NaV1.3) Antibody (ABIN7043643, ABIN7045227 and ABIN7045228), (1:200).2. Anti-SCN3A (NaV1.3) Antibody, preincubated with SCN3A/Nav1.3 Blocking Peptide (#BLP-SC004).



Immunocytochemistry

Image 2. Expression of NaV1.3 in rat DRG primary cells - Immunocytochemical staining of paraformaldehyde-fixed and permeabilized rat dorsal root ganglia (DRG) primary culture. A. DRG cells were stained using Anti-SCN3A (NaV1.3) Antibody (ABIN7043643, ABIN7045227 and ABIN7045228), (1:200) followed by goat anti-rabbit-AlexaFluor-555 secondary antibody. B. Nuclear staining of cells using the cell-permeable dye Hoechst 33342. C. Merged image of panels A and B.



Immunohistochemistry

Image 3. Expression of NaV1.3 in rat embryo DRG - Immunohistochemical staining of rat embryo dorsal root ganglion (DRG) frozen sections using Anti-SCN3A (NaV1.3) Antibody (ABIN7043643, ABIN7045227 and ABIN7045228), (1:100). NaV1.3 is expressed in DRG embryonic cells (arrows). Calibration bar = 50 µm.