Datasheet for ABIN7043647

anti-SCN9A antibody (Intracellular)

4 Images

Go to Product page

Overview

Quantity:	25 µL
Target:	SCN9A
Binding Specificity:	AA 446-460, Intracellular
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SCN9A antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)EFTSIGRSR IMGLSE, corresponding to amino acid residues 446-460 of rat NaV1.7
Isotype:	IgG
Characteristics:	Anti-NaV1.7 (SCN9A) Antibody (ABIN7043647, ABIN7045229 and ABIN7045230)) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot, immunohistochemistry, and immunocytochemistry applications. It has been designed to recognize NaV1.7 from rat, human, and mouse samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

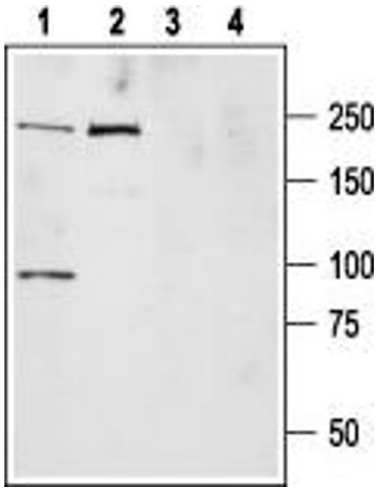
Target:	SCN9A
Alternative Name:	NaV1.7 (SCN9A) (SCN9A Products)
Background:	Alternative names: NaV1.7 (SCN9A), Voltage-gated sodium channel type IX subunit alpha, PN1, NENA, NE, ETHA
Gene ID:	78956
NCBI Accession:	NM_002977
UniProt:	O08562

Application Details

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

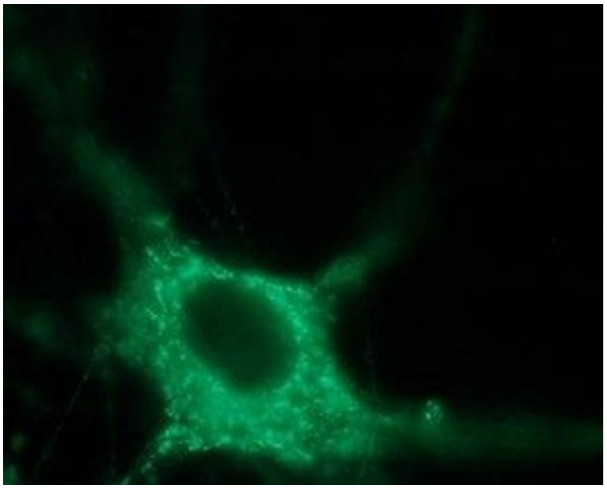
Handling

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).



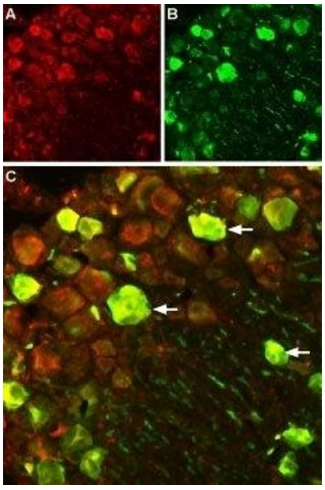
Western Blotting

Image 1. Western blot analysis of ND7/23 cell lysate (lanes 1,3) and rat brain membranes (lanes 2,4): - 1,2. Anti-NaV1.7 (SCN9A) Antibody (ABIN7043647, ABIN7045229 and ABIN7045230), (1:200).3,4. Anti-NaV1.7 (SCN9A) Antibody, preincubated with Nav1.7/SCN9A Blocking Peptide (#BLP-SC008).



Immunocytochemistry

Image 2. Expression of NaV1.7 in rat DRG primary culture - Immunocytochemical staining of paraformaldehyde-fixed and permeabilized rat dorsal root ganglion (DRG) primary culture. Cells were stained using Anti-NaV1.7 (SCN9A) Antibody (ABIN7043647, ABIN7045229 and ABIN7045230), (1:200) followed by goat anti-rabbit-AlexaFluor-488 secondary antibody.



Immunohistochemistry

Image 3. Expression of NaV1.7 in rat DRG - Immunohistochemical staining of rat dorsal root ganglion (DRG) using Anti-NaV1.7 (SCN9A) Antibody (ABIN7043647, ABIN7045229 and ABIN7045230)). A. NaV1.7 channel (red) in DRG neurons. B. Staining with mouse anti-Parvalbumin (green) in the same DRG section. C. Confocal merge of NaV1.7 and Parvalbumin demonstrates colocalization (arrows).

Please check the product details page for more images. Overall 4 images are available for ABIN7043647.