Datasheet for ABIN7043656

anti-SCN11A antibody (C-Term, Intracellular)

3 Images

Go to Product page

Overview

Quantity:	50 µL
Target:	SCN11A
Binding Specificity:	AA 1748-1765, C-Term, Intracellular
Reactivity:	Rat
Host:	Guinea Pig
Clonality:	Polyclonal
Conjugate:	This SCN11A antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: CNGDLSSLDVAKVKVHND, corresponding to amino acid residues 1748-1765 of rat NaV1.9
Isotype:	IgG
Characteristics:	Guinea pig Anti-SCN11A (Nav1.9) Antibody is directed against an epitope of the rat protein. Guinea pig Anti-SCN11A (NaV1.9) Antibody (#), raised in guinea pigs, can be used in western blot and immunohistochemical applications, and has been designed to recognize NaV1.9 from mouse, rat and human samples. The antigen used to immunize guinea pigs is the same as Anti-SCN11A (NaV1.9) Antibody (ABIN7043657, ABIN7045241 and ABIN7045242)) raised in rabbit. Our line of guinea pig antibodies enables more flexibility with our products such as multiplex staining studies, immunoprecipitation, etc.

Product Details

Purification:	Affinity purified on immobilized antigen.

Target Details

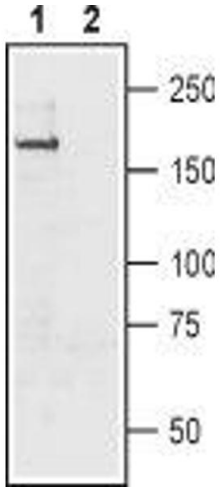
Target:	SCN11A
Alternative Name:	SCN11A (NaV1.9) (SCN11A Products)
Background:	Alternative names: SCN11A (NaV1.9), PN5, SNS2, NAN, Sodium channel protein type 11 subunit alpha
Gene ID:	29701
NCBI Accession:	NM_014139
UniProt:	O88457

Application Details

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

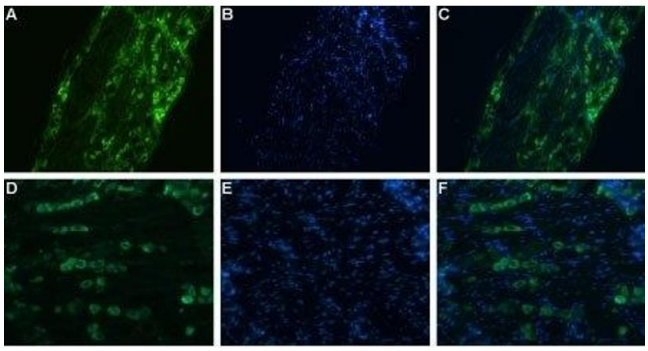
Handling

Format:	Lyophilized
Reconstitution:	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).



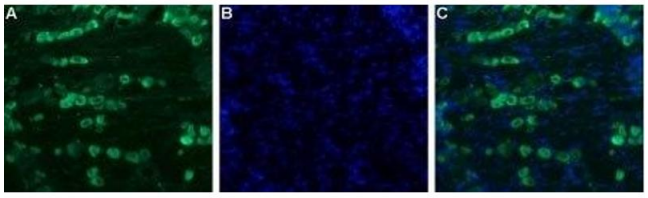
Western Blotting

Image 1. Western blot analysis of rat brain membrane: - 1. Guinea pig Anti-SCN11A (NaV1.9) Antibody (ABIN7043656 and ABIN7045385), (1:200).2. Guinea pig Anti-SCN11A (NaV1.9) Antibody, preincubated with SCN11A/Nav1.9 Blocking Peptide (#BLP-SC017).



Immunohistochemistry

Image 2. Expression of NaV1.9 in rat DRG - Immunohistochemical staining of rat dorsal root ganglion (DRG) using Guinea pig Anti-SCN11A (NaV1.9) Antibody (ABIN7043656 and ABIN7045385). A, D. NaV1.9 staining (green) appears in DRG neurons. B, E. Nuclear staining using DAPI as the counterstain (blue). C, F. Merge images of A, B and E, F.



Immunohistochemistry

Image 3. Expression of NaV1.9 in rat DRG - Immunohistochemical staining of NaV1.9 in rat dorsal root ganglion (DRG) using Guinea pig Anti-SCN11A (NaV1.9) Antibody (ABIN7043656 and ABIN7045385). A. NaV1.9 staining (green) appears in the cell bodies of the DRG neurons. B. Nuclear staining using DAPI as the counter stain (blue). C. Merged image of A and B.