Datasheet for ABIN7043653

anti-Nav1.8 antibody (C-Term, Intracellular)

2 Images

Go to Product page

Overview

Quantity:	25 µL
Target:	Nav1.8 (SCN10A)
Binding Specificity:	AA 1943-1956, C-Term, Intracellular
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Nav1.8 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), Immunoprecipitation (IP)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)EDEVAAKEGNSPGPQ, corresponding to amino acid residues 1943-1956 of rat NaV1.8
Isotype:	IgG
Characteristics:	Anti-NaV1.8 (SCN10A) Antibody (ABIN7043653, ABIN7045239 and ABIN7045240)) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot, immunoprecipitation, immunocytochemistry, and immunohistochemistry applications. It has been designed to recognize NaV1.8 from rat, human, and mouse samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

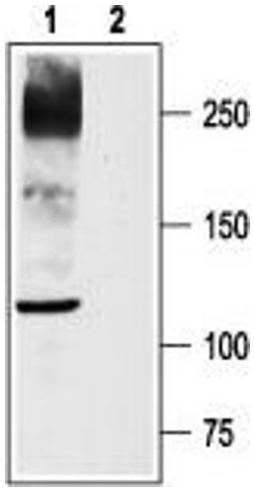
Target:	Nav1.8 (SCN10A)
Alternative Name:	NaV1.8 (SCN10A) (SCN10A Products)
Background:	Alternative names: NaV1.8 (SCN10A), PN3, SNS, Sodium channel protein type 10 subunit alpha
Gene ID:	29571
NCBI Accession:	NM_006514
UniProt:	Q63554

Application Details

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

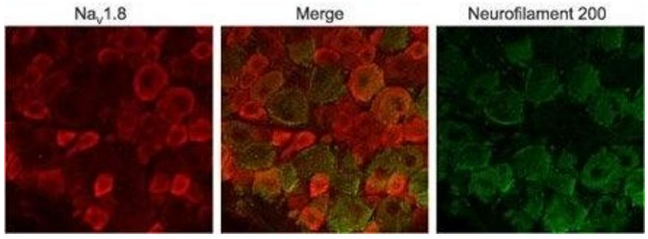
Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.9 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 DRG lysates: - 1. Anti-NaV1.8 (SCN10A) Antibody (ABIN7043653, ABIN7045239 and ABIN7045240), (1:200).2. Anti-NaV1.8 (SCN10A) Antibody, preincubated with Nav1.8/SCN10A Blocking Peptide (#BLP-SC016).



Immunohistochemistry

Image 2. Expression of NaV1.8 in rat DRG - Immunohistochemical staining of adult rat dorsal root ganglion (DRG) using Anti-NaV1.8 (SCN10A) Antibody (ABIN7043653, ABIN7045239 and ABIN7045240). NaV1.8 staining (red) is cytoplasmic and the intensity varies among DRG cells. There is a partial overlap in the distribution of NaV1.8 and neurofilament 200 (green).

