

Datasheet for ABIN7043652  
**anti-Nav1.8 antibody (C-Term, Intracellular)**



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2 Images

Overview

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

Product Details

Immunogen:	<p>Immunogen: Synthetic peptide</p> <p>Immunogen Sequence: (C)EDEVAAKEGNSPGPQ, corresponding to amino acid residues 1943-1956 of rat Nav1.8</p>
Isotype:	IgG
Characteristics:	<p>Guinea pig Anti-Nav1.8 (SCN10A) Antibody is directed against an epitope of the rat Nav1.8 channel. Guinea pig Anti-Nav1.8 (SCN10A) Antibody (#), raised in guinea pigs can be used in western blot and immunohistochemistry applications. It has been designed to recognize Nav1.8 from mouse, rat and human samples. The antigen used to immunize guinea pigs is the same as Anti-Nav1.8 (SCN10A) Antibody (ABIN7043653, ABIN7045239 and ABIN7045240)) raised in rabbit. Our line of guinea pig antibodies enables more flexibility with our products such as multiplex staining studies, immunoprecipitation, etc.</p>

## Product Details

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Purification: Affinity purified on immobilized antigen.

## Target Details

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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

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Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: 25  $\mu$ L, 50  $\mu$ L or 0.2 mL double distilled water (DDW), depending on the sample size.

Concentration: 1 mg/mL

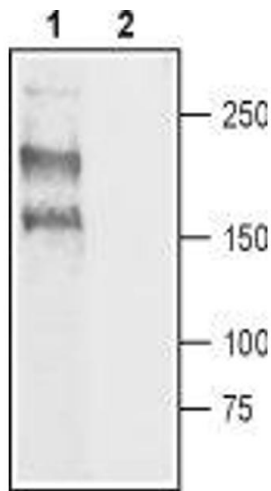
Buffer: Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

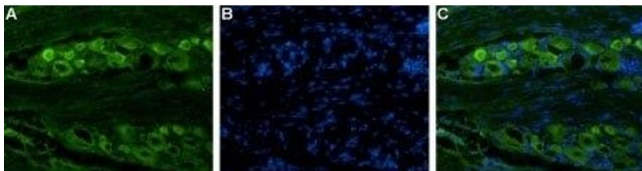
Storage: RT, 4 °C, -20 °C

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 DRG lysate: - 1. Guinea pig Anti-NaV1.8 (SCN10A) Antibody (ABIN7043652, ABIN7045383 and ABIN7045384), (1:200). 2. Guinea pig 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 rat dorsal root ganglion (DRG) using Guinea pig Anti-NaV1.8 (SCN10A) Antibody (ABIN7043652, ABIN7045383 and ABIN7045384). A. NaV1.8 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.