

Datasheet for ABIN7043637

## anti-SCN1A antibody (Intracellular)



[Go to Product page](#)

### 1 Image

#### Overview

Quantity:	25 µL
Target:	SCN1A
Binding Specificity:	AA 465-481, Intracellular
Reactivity:	Human, Rat, Mouse
Host:	Guinea Pig
Clonality:	Polyclonal
Conjugate:	This SCN1A antibody is un-conjugated
Application:	Western Blotting (WB)

#### Product Details

Immunogen:	<p>Immunogen: Synthetic peptide</p> <p>Immunogen Sequence: (C)TASEHSREPSAAGRLSD, corresponding to amino acid residues 465-481 of rat NaV1.1</p>
Isotype:	IgG
Characteristics:	<p>Guinea pig Anti-SCN1A (Nav1.1) Antibody is directed against an epitope of the rat NaV1.1 channel. Guinea pig Anti-SCN1A (Nav1.1) Antibody (#) raised in guinea pig can be used in western blot analysis. It has been designed to recognize NaV1.1 from rat, human and mouse samples. The antigen used to immunize guinea pigs is the same as Anti-SCN1A (Nav1.1) Antibody (ABIN7043638, ABIN7045223 and ABIN7045224)) 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

Purification: Affinity purified on immobilized antigen.

## Target Details

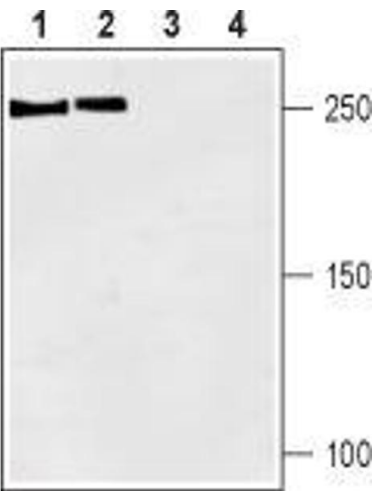
Target:	SCN1A
Alternative Name:	SCN1A (NaV1.1) ( <a href="#">SCN1A Products</a> )
Background:	Alternative names: SCN1A (NaV1.1), Brain type I sodium channel, BI, Sodium channel protein type 1 subunit alpha
Gene ID:	81574
NCBI Accession:	<a href="#">NM_006920</a>
UniProt:	<a href="#">P04774</a>

## 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:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>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).</p>



Western Blotting

**Image 1.** Western blot analysis of rat brain (lanes 1 and 3) and mouse brain (lanes 2 and 4) lysates: - 1,2. Guinea pig Anti-SCN1A (Nav1.1) Antibody (ABIN7043637, ABIN7045396 and ABIN7045397), (1:200).3,4. Guinea pig Anti-SCN1A (Nav1.1) Antibody, preincubated with SCN1A/Nav1.1 Blocking Peptide (#BLP-SC001).