

Datasheet for ABIN2776152  
**anti-SCN7A antibody (N-Term)**



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1 Image

## Overview

Quantity:	100 µL
Target:	SCN7A
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse, Dog, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SCN7A antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N-terminal region of human SCN7A
Sequence:	PFIYGNLSQG MVSEPLEDVD PYYYKKKNTF IVLNKNRTIF RFNAASILCT
Predicted Reactivity:	Dog: 79%, Guinea Pig: 80%, Human: 100%, Mouse: 79%, Rat: 79%
Characteristics:	This is a rabbit polyclonal antibody against SCN7A. It was validated on Western Blot.
Purification:	Affinity Purified

## Target Details

Target:	SCN7A
Alternative Name:	SCN7A ( <a href="#">SCN7A Products</a> )
Background:	This gene encodes one of the many voltage-gated sodium channel proteins. For proper

## Target Details

functioning of neurons and muscles during action potentials, voltage-gated sodium channels direct sodium ion diffusion for membrane depolarization. This sodium channel protein has some atypical characteristics, the similarity between the human and mouse proteins is lower compared to other orthologous sodium channel pairs. Also, the S4 segments, which sense voltage changes, have fewer positive charged residues than in other sodium channels, domain 4 has fewer arginine and lysine residues compared to other sodium channel proteins. Several alternatively spliced transcript variants exist, but the full-length nature of all of them remains unknown.

Alias Symbols: NaG, SCN6A, Nav2.1, Nav2.2

Protein Size: 762

Molecular Weight: 83 kDa

Gene ID: 6332

NCBI Accession: [NM\\_002976](#), [NP\\_002967](#)

UniProt: [Q01118](#)

## Application Details

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

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

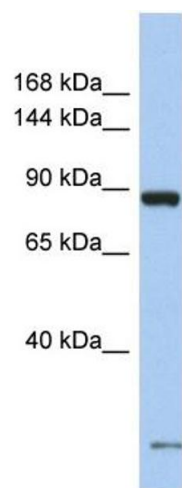
Preservative: Sodium azide

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

Handling Advice: Avoid repeat freeze-thaw cycles.

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.



Western Blotting

**Image 1.** Host: Rabbit Target Name: SCN7A Sample Type: Fetal Thymus lysates Antibody Dilution: 1.0ug/ml