

Datasheet for ABIN7043650
anti-SCN5A antibody (Intracellular)

2 Images

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Overview

Quantity:	25 µL
Target:	SCN5A
Binding Specificity:	AA 493-511, Intracellular
Reactivity:	Human, Mouse, Rat
Host:	Guinea Pig
Clonality:	Polyclonal
Conjugate:	This SCN5A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: DRLPKSDSEDGPRALNQLSC, corresponding to amino acid residues 493-511 of rat NaV1.5
Isotype:	IgG
Characteristics:	Guinea pig Anti-NaV1.5 (SCN5A) Antibody (#), raised in guinea pigs, is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot and immunohistochemistry applications. It has been designed to recognize NaV1.5 sodium channel from rat, human and mouse samples. The antigen used to immunize guinea pigs is the same as Anti-NaV1.5 (SCN5A) (493-511) Antibody (#) 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: SCN5A

Alternative Name: NaV1.5 (SCN5A) ([SCN5A Products](#))

Background: Alternative names: NaV1.5, Sodium channel protein type 5 subunit alpha, SKM2

Gene ID: 25665

NCBI Accession: [NM_198056](#)

UniProt: [P15389](#)

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: 0.95 mg/mL

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

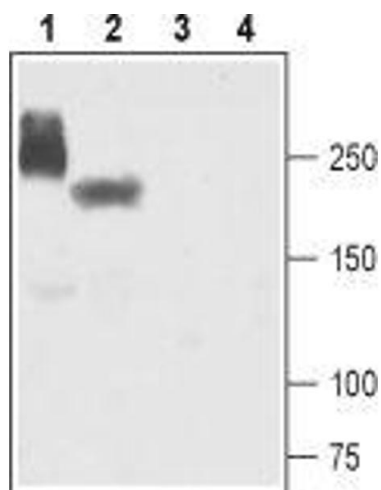
Preservative: Sodium azide

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

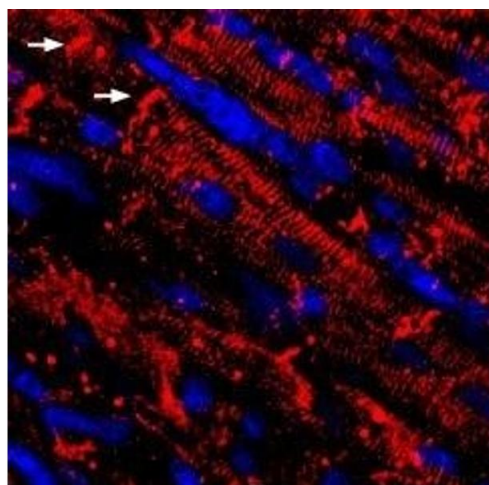
Storage Comment: Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.

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 human-NaV1.5 transfected HEK-293 cell lysate (lanes 1 and 3) and rat heart membrane protein (lanes 2 and 4): - 1,2. Guinea pig Anti-NaV1.5 (SCN5A) Antibody (ABIN7043650, ABIN7045367 and ABIN7045368), (1:200).3,4. Guinea pig Anti-NaV1.5 (SCN5A) Antibody, preincubated with Nav1.5/SCN5A (493-511) Blocking Peptide (#BLP-SC005).



Immunohistochemistry

Image 2. Expression of NaV1.5 in rat heart - Immunohistochemical staining of rat heart frozen sections using Guinea pig Anti-NaV1.5 (SCN5A) Antibody (ABIN7043650, ABIN7045367 and ABIN7045368). NaV1.5 staining (red) appears in cardiomyocytes and in intercalated discs (arrows). Nuclei are stained using DAPI (blue).