

Datasheet for ABIN2776089
anti-SCN5A antibody (C-Term)



[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	SCN5A
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SCN5A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C-terminal region of Human SCN5A
Sequence:	VMSENF SRPL GPPSSSSISS TSFP PSYDSV TRATSDNLQV RGS DYSHSED
Predicted Reactivity:	Cow: 86%, Dog: 86%, Guinea Pig: 93%, Horse: 86%, Human: 100%, Mouse: 86%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against SCN5A. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	SCN5A
Alternative Name:	SCN5A (SCN5A Products)
Background:	The protein encoded by this gene is an integral membrane protein and tetrodotoxin-resistant

Target Details

voltage-gated sodium channel subunit. This protein is found primarily in cardiac muscle and is responsible for the initial upstroke of the action potential in an electrocardiogram. Defects in this gene are a cause of long QT syndrome type 3 (LQT3), an autosomal dominant cardiac disease. Alternative splicing results in several transcript variants encoding different isoforms.

Alias Symbols: CDCD2, CMD1E, CMPD2, HB1, HB2, HBBB, HH1, ICCD, IVF, LQT3, Nav1.5, PFHB1, SSS1, VF1

Protein Interaction Partner: CALM1, CAV3, ALB, Nedd4, WWP2, UBC, SNTG2, NEDD4L, DLG2, INADL, DLG4, RGS3, SNTA1, DLG1, RGS2, SCN5A, SNTB2, SNTB1, DLG3, CBL,

Protein Size: 2015

Molecular Weight:	227 kDa
Gene ID:	6331
NCBI Accession:	NM_000335 , NP_000326
UniProt:	Q14524

Application Details

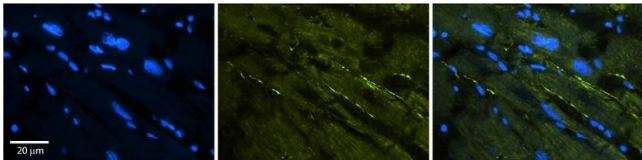
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 2015 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
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 repeated 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

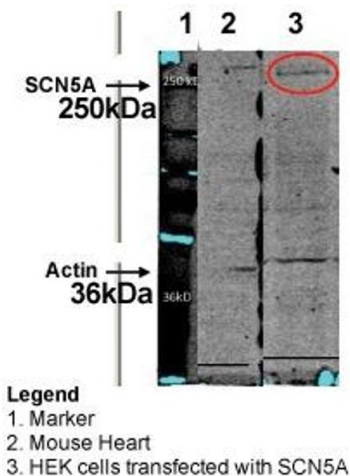
aliquots to prevent freeze-thaw cycles.

Images



Immunohistochemistry

Image 1. Rabbit Anti-SCN5A Antibody Catalog Number: ARP34935_P050 Formalin Fixed Paraffin Embedded Tissue: Human Adult heart Observed Staining: Membrane (stronger than with ARP34934) Primary Antibody Concentration: 1:600 Secondary Antibody: Donkey anti-Rabbit-Cy2/3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 – 2.0 sec Protocol located in Reviews and Data.



Western Blotting

Image 2. WB Suggested Anti-SCN5A Antibody Titration: HEK cel lysate; HEK cel with HuNav1.5 transfected lysate; Mouse Heart lysate80 ug protein on gelQC Antibodies 1:100 in PBS/Tweensecondary antibodie 1:10.000 (IRDYE 800 CWGoat anti Rabbit IgG) analyse with the Licor Odyssey Positive Control: HEK cel lysate; HEK cel with HuNav1.5 transfected lysate; Mouse Heart lysate80 ug protein on gelQC Antibodies 1:100 in PBS/Tweensecondary antibodie 1:10.000 (IRDYE 800 CWGoat anti Rabbit IgG) analyse with the Licor Odyssey