



[Go to Product page](#)

Datasheet for ABIN2776088

anti-SCN5A antibody (N-Term)

4 Images

1 Publication

Overview

Quantity:	100 µL
Target:	SCN5A
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Guinea Pig, Horse, Zebrafish (Danio rerio), Rabbit
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 N terminal region of human SCN5A
Sequence:	SEADFADDEN STAGESESHH TSLVLPWPLR RTSAQQQPSP GTSAPGHALH
Predicted Reactivity:	Cow: 93%, Dog: 93%, Guinea Pig: 93%, Horse: 93%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 77%
Characteristics:	This is a rabbit polyclonal antibody against SCN5A. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	SCN5A
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Target Details

Alternative Name: [SCN5A \(SCN5A Products\)](#)

Background: SCN5A is an integral membrane protein and tetrodotoxin-resistant voltage-gated sodium channel subunit. The protein is found primarily in cardiac muscle and is responsible for the initial upstroke of the action potential in an electrocardiogram. The protein encoded by this gene is an integral membrane protein and tetrodotoxin-resistant 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

Handling

should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

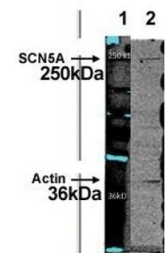
Storage: -20 °C

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.

Publications

Product cited in: Braun, Sponder, Pieper, Aschenbach, Deiner: "GABA selectively increases mucin-1 expression in isolated pig jejunum." in: **Genes & nutrition**, Vol. 10, Issue 6, pp. 47, (2015) ([PubMed](#)).

Images



Legend
1. Marker
2. Mouse Heart

SCN5A (ARP34934_P050)

Western Blot

Sample: Mouse Heart and HEK cells transfected with SCN5A

Dilution:

-Primary: 1 to 100

Application data in forum

Submitted By:
Dr. Maria Essers
University Bern

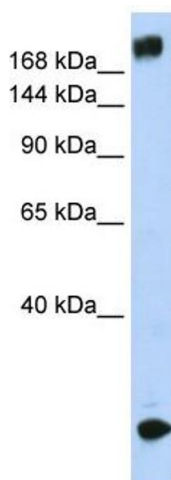
Western Blotting

Image 1. WB Suggested Anti-SCN5A Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:12500

Positive Control: Human Muscle

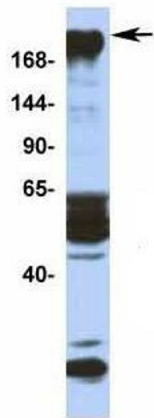


Western Blotting

Image 2. WB Suggested Anti-SCN5A Antibody Titration: 0.2-

1 ug/ml ELISA Titer: 1:12500 Positive Control: Human Muscle

SCN5A



Western Blotting

Image 3. Host: Rabbit Target Name: SCN5A Sample Type:
Human Fetal Muscle Antibody Dilution: 1.0ug/ml

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2776088.