

Nav1.5/SCN5A Rabbit mAb

Catalog No.: A28293 **Recombinant**

Basic Information

Observed MW

250 kDa

Calculated MW

221-227 kDa

Category

Primary antibody

Applications

WB,IHC-P,ELISA

Cross-Reactivity

Mouse, Rat

CloneNo number

ARC77707

Background

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 have been associated with long QT syndrome type 3 (LQT3), atrial fibrillation, cardiomyopathy, and Brugada syndrome 1, all autosomal dominant cardiac diseases. Alternative splicing results in several transcript variants encoding different isoforms.

Recommended Dilutions

WB 1:2000 - 1:5000

IHC-P 1:200 - 1:800

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (≥1:10000) a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

6331

Swiss Prot

Q14524

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

HB1; HB2; HH1; IVF; VF1; HBBD; ICCD; LQT3; SSS1; CDCD2; CMD1E; CMPD2; PFHB1; Nav1.5

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

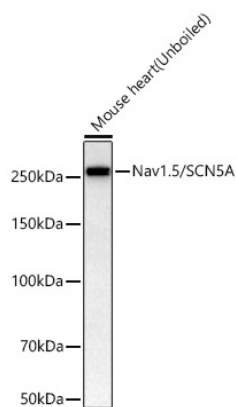
Contact

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Validation Data



Western blot analysis of lysates from Mouse heart using Nav1.5/SCN5A Rabbit mAb (A28293) at 1:5000 dilution incubated overnight at 4°C.

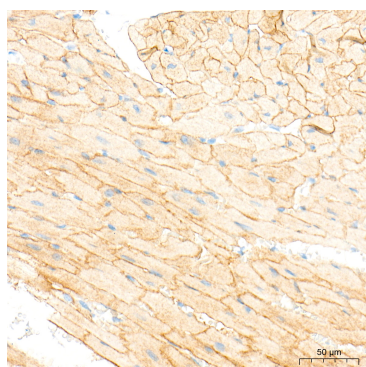
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

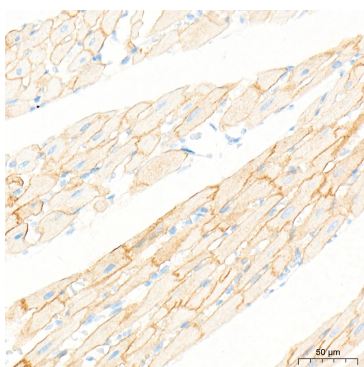
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90 s.



Immunohistochemistry analysis of paraffin-embedded Mouse heart tissue using Nav1.5/SCN5A Rabbit mAb (A28293) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat heart tissue using Nav1.5/SCN5A Rabbit mAb (A28293) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.