

For Research Use Only

# SCN4B Polyclonal antibody

Catalog Number: 30916-1-AP



## Basic Information

Catalog Number:

30916-1-AP

Size:

500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG34123

GenBank Accession Number:

NM\_174934.3

GeneID (NCBI):

6330

UNIPROT ID:

Q8IWT1

Full Name:

sodium channel, voltage-gated, type IV, beta

Calculated MW:

25 kDa

Observed MW:

25 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB 1:1000-1:4000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HepG2 cells, SH-SY5Y cells

## Background Information

Mammalian sodium channels are heterotrimers, composed of a central, pore-forming alpha subunit and two auxiliary beta subunits (PMID: 11486343). SCN4B (sodium channel subunit beta-4) is one of several sodium channel beta subunits, which modulate channel gating kinetics. SCN4B has an N-terminal signal peptide, a large extracellular domain predicted to form an Ig-like fold, a single transmembrane alpha helix, and a short cytoplasmic C terminus. Defects in the SCN4B gene are a cause of long QT syndrome type 10 (LQT10).

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

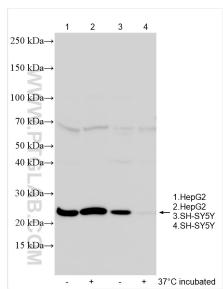
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30916-1-AP (SCN4B antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.