

SCN4B Recombinant antibody, PBS Only

Catalog Number: **83027-4-PBS**

Basic Information

Catalog Number:

83027-4-PBS

Size:

1mg/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:

37 kDa

Purification Method:

Protein A purification

CloneNo.:

230297B11

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

Human, mouse, rat

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 SCN4B gene are a cause of long QT syndrome type 10 (LQT10).

Storage

Storage:

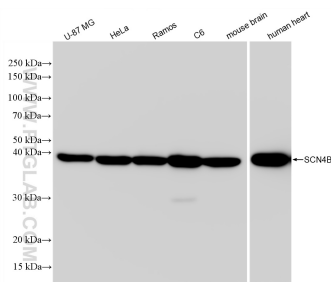
Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

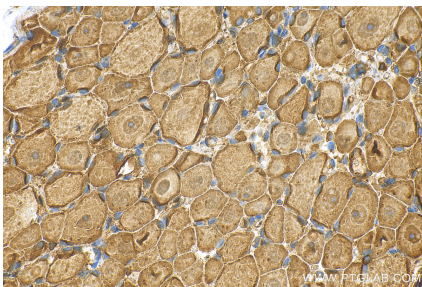
Storage Buffer:

PBS Only

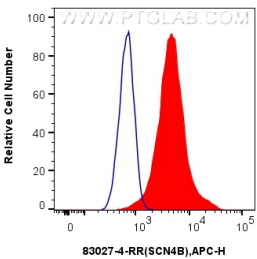
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83027-4-RR (SCN4B antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83027-4-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat dorsal root ganglion tissue slide using 83027-4-RR (SCN4B antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83027-4-PBS in a different storage buffer formulation.



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug Anti-Human SCN4B (83027-4-RR, Clone:230297B11) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 83027-4-PBS in a different storage buffer formulation.