For Research Use Only

SCN11A Recombinant antibody

Catalog Number:85740-1-RR

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Basic Information

Catalog Number:
85740-1-RR

Size:
100ul , Concentration: 1000 μg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_001349253

GeneID (NCBI):
11280

UNIPROT ID:
Q9UI33

Full Name:
sodium channel, voltage-gated, type XI, alpha subunit

Calculated MW:
205 kDa

Observed MW:
205 kDa

Purification Method:
Protein A purification

CloneNo.:
250003E1

Recommended Dilutions:
WB 1:500-1:2000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human, rat

Positive Controls:

WB : rat brain tissue, rat cerebellum tissue

Background Information

Sodium channel protein type 11 subunit alpha (SCN11A, also known as Nav1.9) is crucial for generating action potentials and regulating neuronal excitability, particularly in nociceptive neurons of the dorsal root ganglia (DRG) and trigeminal ganglia (PMID: 33752606). Nav1.9 channels are involved in the formation of pain-sensing and have been implicated in peripheral inflammatory pain hypersensitivity. Additionally, SCN11A-mediated channels play a role in regulating colonic motility and neurotransmitter release in the enteric nervous system (PMID: 35711274).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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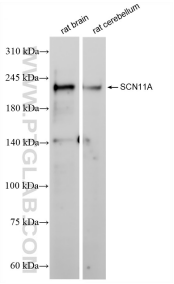
Selected Validation Data



rat brain tissue were subjected to SDS PAGE followed by western blot with 85740-1-RR (SCN11A antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.