

For Research Use Only

# SCN11A Recombinant antibody, PBS Only

Catalog Number: 85740-1-PBS



## Basic Information

**Catalog Number:**

85740-1-PBS

**Size:**

100ug, Concentration: 1 mg/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

## Applications

**Tested Applications:**

WB, Indirect ELISA

**Species Specificity:**

human, rat

## 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 -80°C.

**Storage Buffer:**

PBS only, pH7.3

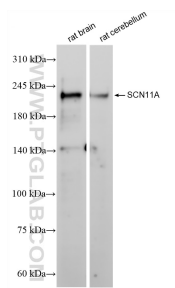
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com  
W: 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. This data was developed using the same antibody clone with 85740-1-PBS in a different storage buffer formulation.