

For Research Use Only

SCN3B Recombinant antibody

Catalog Number: 82959-1-RR



Basic Information

Catalog Number:

82959-1-RR

Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG23201

GenBank Accession Number:

BC126265

GeneID (NCBI):

55800

UNIPROT ID:

Q9NY72

Full Name:

sodium channel, voltage-gated, type III, beta

Observed MW:

29 kDa

Purification Method:

Protein A purification

CloneNo.:

230316F8

Recommended Dilutions:

WB 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, rat, mouse

Positive Controls:

WB : HEK-293 cells, rat brain tissue, mouse brain tissue, fetal human brain tissue

Background Information

The sodium voltage-gated channel beta subunit 3 (SCN3B) plays a crucial role in electrically excitable cells and conduction tissue in the heart. Some previous studies have established that genetic modification in sodium voltage-channel genes encoding for the cardiac β -subunits, such as SCN1B, SCN2B, SCN3B and SCN4B, can result in atrial fibrillation (AF). (PMID: 36362949)

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

*** 20ul sizes contain 0.1% BSA

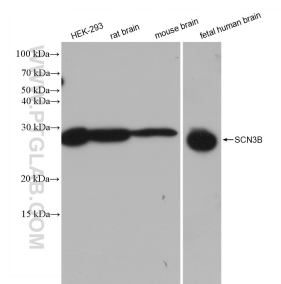
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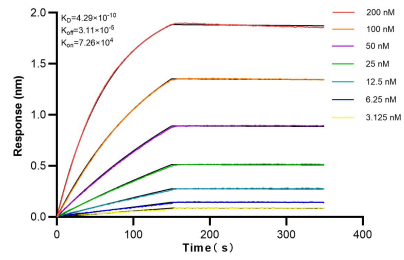
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82959-1-RR (SCN3B antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 82959-1-RR against Human SCN3B were performed. The affinity constant is 0.429 nM.