

For Research Use Only

# SCN3B Recombinant antibody

Catalog Number: 82959-7-RR



## Basic Information

<b>Catalog Number:</b> 82959-7-RR	<b>GenBank Accession Number:</b> BC126265	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 55800	<b>CloneNo.:</b> 230316B2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9NY72	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> sodium channel, voltage-gated, type III, beta	
<b>Immunogen Catalog Number:</b> AG23201	<b>Observed MW:</b> 28 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HEK-293 cells, rat brain tissue, mouse brain tissue, fetal human brain tissue
<b>Species Specificity:</b> Human, mouse, rat	

## Background Information

The sodium channel is a multi-subunit protein complex composed of a single large  $\alpha$ -subunit along with smaller additional  $\beta$ -subunits. There are at least three different  $\beta$ -subunit genes, SCN1b, SCN2b, and SCN3b, all of which are expressed widely in excitable tissues. The bands on Western blots for SCN3b (45-50 kDa) were significantly larger than the predicted molecular weight, which is consistent with the protein being glycosylated. The two bands on the Western blot could be due to different levels of glycosylation or alternative spliced isoforms. (PMID: 11744748)

## 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:

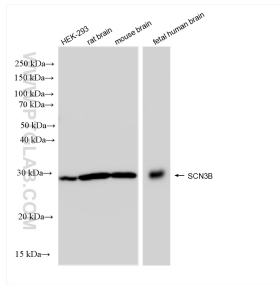
T: 4006900926

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

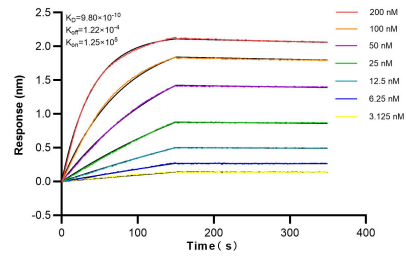
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82959-7-RR (SCN3B antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 82959-7-RR against Human SCN3B were performed. The affinity constant is 0.98 nM.