

For Research Use Only

# SCN2A Polyclonal antibody

Catalog Number: 27551-1-AP



## Basic Information

<b>Catalog Number:</b> 27551-1-AP	<b>GenBank Accession Number:</b> NM_001040142	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 200 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 6326	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Rabbit	<b>Full Name:</b> sodium channel, voltage-gated, type II, alpha subunit	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 228 kDa	
<b>Immunogen Catalog Number:</b> AG26022	<b>Observed MW:</b> ~250 kDa	

## Applications

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

## Background Information

The Sodium Channel, Voltage-Gated, Type II, Alpha (SCN2A) gene encodes the neuronal sodium channel NaV1.2. There are two major developmentally regulated splice isoforms of NaV1.2 that use mutually exclusive copies of the fifth coding exon and differ by one amino acid at position 209: Asparagine (Asn/N) vs. Aspartic acid (Asp/D). NaV1.2 is one of several sodium channels involved in initiation and propagation of action potentials in neurons. It's widely expressed throughout the human central nervous system, but not in peripheral tissues. (PMID: 29691040)

## 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

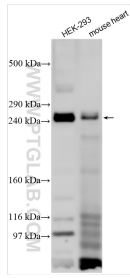
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27551-1-AP (SCN2A antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.