

## Rabbit Anti-SCN3A antibody

SL12133R

**Product Name** SCN3A

**Chinese Name** 电压门控钠通道 SCN3 $\alpha$  蛋白/Na<sup>+</sup> CP type III $\alpha$  抗体

**Alias** NAC3; Sodium channel protein type 3 subunit alpha; Sodium channel protein type III subunit alpha; Sodium channel protein, brain III subunit alpha; Voltage gated sodium channel subtype III; Voltage gated sodium channel subunit alpha Nav1.3; SCN3A\_HUMAN.

**Research Area** Neurobiology Channel protein The cell membrane 受体

**Immunogen Species** Rabbit

**Clonality** Polyclonal

**React Species** (predicted: Human, Mouse, Rat, Chicken, Pig, Cow, )

IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000  
(Paraffin sections need antigen repair)

**Applications** not yet tested in other applications.  
optimal dilutions/concentrations should be determined by the end user.

**Theoretical molecular weight** 226kDa

**Cellular localization** The cell membrane

**Form** Liquid

**Concentration** 1mg/ml

**immunogen** KLH conjugated synthetic peptide derived from human SCN3A: 1401-1600/2000

**Lsotype** IgG

**Purification** affinity purified by Protein A

**Buffer Solution** 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

**Storage** Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

**Attention** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**PubMed** [PubMed](#)

Voltage-gated sodium channels are transmembrane glycoprotein complexes composed of a large alpha subunit with 24 transmembrane domains and one or more regulatory beta subunits. They are responsible for the generation and propagation of action potentials in neurons and muscle. This gene encodes one member of the sodium channel alpha subunit gene family, and is found in a cluster of five alpha subunit genes on chromosome 2. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008].

**Function:**

Mediates the voltage-dependent sodium ion permeability of excitable membranes. Assuming opened or closed conformations in response to the voltage difference across the membrane, the protein forms a sodium-selective channel through which Na(+) ions may pass in accordance with their electrochemical gradient.

**Subunit:**

The sodium channel consists of a large polypeptide and 2-3 smaller ones. This sequence represents a large polypeptide. Interacts with NEDD4L.

**Subcellular Location:**

Membrane; Multi-pass membrane protein.

**Post-translational modifications:**

May be ubiquitinated by NEDD4L; which would promote its endocytosis.

**Similarity:**

Belongs to the sodium channel (TC 1.A.1.10) family. Nav1.3/SCN3A subfamily. Contains 1 IQ domain.

**SWISS:**

Q9NY46

**Gene ID:**

6328

**Database links:**

[Entrez Gene: 6328](#) Human

[Entrez Gene: 20269](#) Mouse

[Entrez Gene: 497770](#) Rat

[Omim: 182391](#) Human

[SwissProt: Q9NY46](#) Human

**Product  
Detail**



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[SwissProt: P08104](#) Rat

[Unigene: 435274](#) Human

[Unigene: 330256](#) Mouse

[Unigene: 87394](#) Rat