

SCNAA Rabbit pAb

CatalogNo: YN1330

Key Features

Host Species

- Rabbit

Reactivity

- Human,Rat,Mouse

Applications

- WB,ELISA

MW

- 215kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000**ELISA 1:5000-20000**

Storage

Storage*

-15°C to -25°C/1 year(Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

Synthesized peptide derived from part region of human protein

Specificity

SCNAA Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name

SCN10A

Protein Name Sodium channel protein type 10 subunit alpha (Peripheral nerve sodium channel 3) (PN3) (hPN3) (Sodium channel protein type X subunit alpha) (Voltage-gated sodium channel subunit alpha Nav1.8)

Organism	Gene ID	UniProt ID
Human	6336;	Q9Y5Y9;
Mouse		Q6QIY3;
Rat		Q62968;

Cellular Localization Cell membrane ; Multi-pass membrane protein . It can be translocated to the cell membrane through association with S100A10. .

Tissue specificity Expressed in the dorsal root ganglia and sciatic nerve.

Function Domain:The sequence contains 4 internal repeats, each with 5 hydrophobic segments (S1,S2,S3,S5,S6) and one positively charged segment (S4). Segments S4 are probably the voltage-sensors and are characterized by a series of positively charged amino acids at every third position.,Function:This protein 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 sodium ions may pass in accordance with their electrochemical gradient. It is a tetrodotoxin-resistant sodium channel isoform. Its electrophysiological properties vary depending on the type of the associated beta subunits (in vitro). Plays a role in neuropathic pain mechanisms.,PTM:Ubiquitinated by NEDD4L; which promotes its endocytosis.,similarity:Belongs to the sodium channel family.,similarity:Contains 1 IQ domain.,subcellular location:It can be translocated to the extracellular membrane through association with S100A10.,subunit:The voltage-resistant sodium channel consists of an ion conducting pore forming alpha-subunit regulated by one or more associated auxiliary subunits SCN1B, SCN2B and SCN3B. Found in a number of complexes with PRX, TCTEL1 and PDZD2. Interacts with proteins such as FSTL1, PRX, TCTEL1, PDZD2, S100A10 and many others (By similarity). Interacts with NEDD4 and NEDD4L.,tissue specificity:Expressed in the dorsal root ganglia and sciatic nerve.,

| Validation Data

| Contact information

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