

## 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

<b>Protein Name</b>	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)		
	<b>Organism</b>	<b>Gene ID</b>	<b>UniProt ID</b>
	Human	<a href="#">6336</a> ;	<a href="#">Q9Y5Y9</a> ;
	Mouse		<a href="#">Q6QIY3</a> ;
	Rat		<a href="#">Q62968</a> ;
<b>Cellular Localization</b>	Cell membrane ; Multi-pass membrane protein . It can be translocated to the cell membrane through association with S100A10. .		
<b>Tissue specificity</b>	Expressed in the dorsal root ganglia and sciatic nerve.		
<b>Function</b>	<p>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.,</p>		

## | Validation Data

## | Contact information

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