

## NAC3 Rabbit pAb

CatalogNo: YN1335

Orthogonal Validated 

### Key Features

**Host Species**

- Rabbit

**Reactivity**

- Human, Mouse, Rat

**Applications**

- WB, ELISA

**MW**

- 101kD (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 human protein . at AA range: 530-610

**Specificity**

NAC3 Polyclonal Antibody detects endogenous levels of protein.

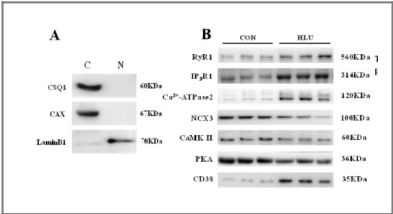
### Target Information

**Gene name**

SLC8A3 NCX3

<b>Protein Name</b>	Sodium/calcium exchanger 3 (Na(+)/Ca(2+)-exchange protein 3)		
	<b>Organism</b>	<b>Gene ID</b>	<b>UniProt ID</b>
	Human	<a href="#">6547;</a>	<a href="#">P57103;</a>
	Rat		<a href="#">P70549;</a>
<b>Cellular Localization</b>	Cell membrane ; Multi-pass membrane protein . Perikaryon . Cell projection, dendrite . Cell projection, dendritic spine . Cell membrane, sarcolemma . Cytoplasm, sarcoplasm . Cell junction . Mitochondrion outer membrane ; Multi-pass membrane protein . Cytoplasm, perinuclear region . Endoplasmic reticulum membrane ; Multi-pass membrane protein . Detected at neuromuscular junctions. .		
<b>Tissue specificity</b>	Isoform 2 is expressed in brain and skeletal muscle. Isoform 3 is expressed in excitable cells of brain, retina and skeletal muscle. Isoform 4 is expressed in skeletal muscle.		
<b>Function</b>	enzyme regulation:By intracellular calcium ions.,Function:Rapidly transports Ca(2+) during excitation-contraction coupling. Ca(2+) is extruded from the cell during relaxation so as to prevent overloading of intracellular stores.,similarity:Belongs to the sodium/potassium/calcium exchanger family. SLC8 subfamily.,similarity:Contains 2 Calx-beta domains.,tissue specificity:Isoform 2 is expressed in brain and skeletal muscle; Isoform 3 is expressed in excitable cells of brain, retina and skeletal muscle; Isoform 4 is expressed in skeletal muscle.,		

Validation Data



New Findings: Hindlimb Unloading Causes Nucleocytoplasmic Ca2+ Overload and DNA Damage in Skeletal Muscle Cells Yunfang Gao WB Rat muscle cell

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**NAC3 Rabbit pAb**