

## ENaC $\beta$ (Phospho Thr615) Rabbit pAb

CatalogNo: YP0941

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, IHC, IF, ELISA

#### MW

- 68kD (Observed)

#### Isotype

- IgG

### Recommended Dilution Ratios

**WB 1:500-1:2000**

**IHC 1:100-1:300**

**IF 1:200-1:1000**

**ELISA 1:10000**

**Not yet tested in other applications.**

### Storage

#### Storage\*

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

#### Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Basic Information

#### Clonality

Polyclonal

### Immunogen Information

#### Immunogen

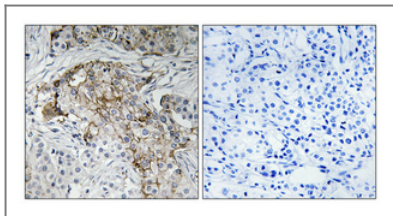
The antiserum was produced against synthesized peptide derived from human Nonvoltage-gated Sodium Channel 1 around the phosphorylation site of Thr615. AA range: 581-630

**Specificity** Phospho-ENaC  $\beta$  (T615) Polyclonal Antibody detects endogenous levels of ENaC  $\beta$  protein only when phosphorylated at T615. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):PGtPP

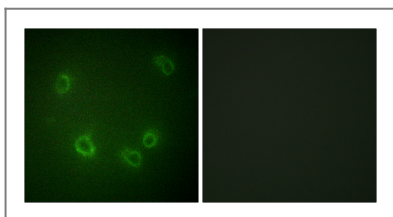
## | Target Information

Gene name	SCNN1B		
Protein Name	Amiloride-sensitive sodium channel subunit beta		
	Organism	Gene ID	UniProt ID
	Human	<a href="#">6338</a> ;	<a href="#">P51168</a> ;
	Mouse	<a href="#">20277</a> ;	<a href="#">Q9WU38</a> ;
	Rat	<a href="#">24767</a> ;	<a href="#">P37090</a> ;
Cellular Localization	Apical cell membrane ; Multi-pass membrane protein . Cytoplasmic vesicle membrane . Apical membrane of epithelial cells. .		
Tissue specificity	Detected in placenta, lung and kidney (PubMed:7762608). Expressed in kidney (at protein level) (PubMed:22207244).		
Function	Disease:Defects in SCNN1B are a cause of autosomal recessive pseudohypoaldosteronism type 1 (PHA1) [MIM:264350]. PHA1 is a rare salt wasting disease resulting from target organ unresponsiveness to mineralocorticoids. There are 2 forms of PHA1: the autosomal recessive form that is severe, and the dominant form which is more milder and due to defects in mineralocorticoid receptor. Autosomal recessive PHA1 is characterized by an often fulminant presentation in the neonatal period with dehydration, hyponatraemia, hyperkalaemia, metabolic acidosis, failure to thrive and weight loss.,Disease:Defects in SCNN1B are a cause of Liddle syndrome [MIM:177200]. It is an autosomal dominant disorder characterized by pseudoaldosteronism and hypertension associated with hypokalemic alkalosis. The disease is caused by constitutive activation of the renal epithelial sodium channel.,Function:Sodium permeable non-voltage-sensitive ion channel inhibited by the diuretic amiloride. Mediates the electrodiffusion of the luminal sodium (and water, which follows osmotically) through the apical membrane of epithelial cells. Controls the reabsorption of sodium in kidney, colon, lung and sweat glands. Also plays a role in taste perception.,PTM:Phosphorylated on serine and threonine residues.,similarity:Belongs to the amiloride-sensitive sodium channel family.,subcellular location:Apical membrane of epithelial cells.,subunit:Heterotetramer of two alpha, one beta and one gamma subunit. A delta subunit can replace the alpha subunit. Interacts with the WW domains of NEDD4, NEDD4L, WWP1 and WWP2.,		

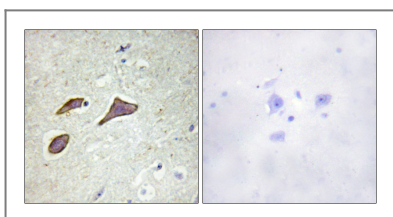
## | Validation Data



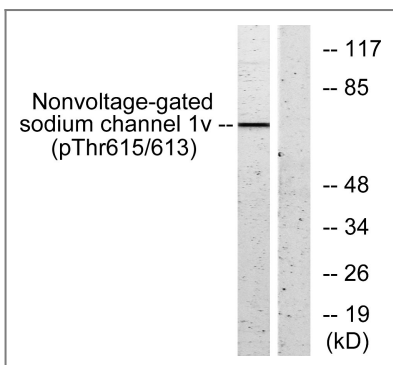
Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.



Immunofluorescence analysis of COS7 cells, using Nonvoltage-gated Sodium Channel 1 (Phospho-Thr615) Antibody. The picture on the right is blocked with the phospho peptide.



Immunohistochemistry analysis of paraffin-embedded human brain, using Nonvoltage-gated Sodium Channel 1 (Phospho-Thr615) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HeLa cells, using Nonvoltage-gated Sodium Channel 1 (Phospho-Thr615) Antibody. The lane on the right is blocked with the phospho peptide.

## Contact information

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Please scan the QR code to access additional product information:  
**ENaC β (Phospho Thr615) Rabbit pAb**

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