

**Anti-Beta-NaCH (pT615) Antibody**  
**Rabbit polyclonal antibody to Beta-NaCH (pT615)**  
**Catalog # AP61171****Specification**

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**Anti-Beta-NaCH (pT615) Antibody - Product Information**

Application	WB, IH, IF
Primary Accession	<a href="#">P51168</a>
Other Accession	<a href="#">Q9WU38</a>
Reactivity	Human, Mouse, Rat, Bovine, SARS, Drosophila
Host	Rabbit
Clonality	Polyclonal
Calculated MW	72659

**Anti-Beta-NaCH (pT615) Antibody - Additional Information****Gene ID** 6338**Other Names**

Amiloride-sensitive sodium channel subunit beta; Beta-NaCH; Epithelial Na(+) channel subunit beta; Beta-ENaC; ENaCB; Nonvoltage-gated sodium channel 1 subunit beta; SCNEB

**Target/Specificity**

Recognizes endogenous levels of Beta-NaCH (pT615) protein.

**Dilution**

WB~~WB (1/500 - 1/1000), IH (1/50 - 1/200), IF/IC (1/100 - 1/500)

IH~~WB (1/500 - 1/1000), IH (1/50 - 1/200), IF/IC (1/100 - 1/500)

IF~~WB (1/500 - 1/1000), IH (1/50 - 1/200), IF/IC (1/100 - 1/500)

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-Beta-NaCH (pT615) Antibody - Protein Information****Name** SCNN1B**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. Plays an essential role in electrolyte and blood pressure homeostasis, but also in airway surface liquid homeostasis, which is important for proper clearance of mucus. Controls the reabsorption of sodium in kidney, colon, lung and sweat glands.

Also plays a role in taste perception.

#### **Cellular Location**

Apical cell membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:P37089}.  
Cytoplasmic vesicle membrane {ECO:0000250|UniProtKB:P37090}. Note=Apical membrane of epithelial cells.

#### **Tissue Location**

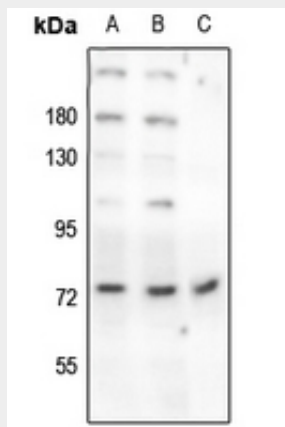
Detected in placenta, lung and kidney (PubMed:7762608). Expressed in kidney (at protein level) (PubMed:22207244).

### **Anti-Beta-NaCH (pT615) Antibody - Protocols**

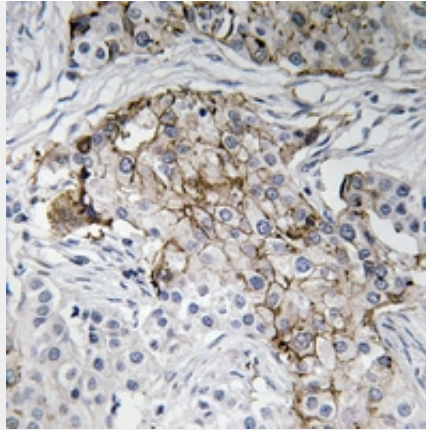
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

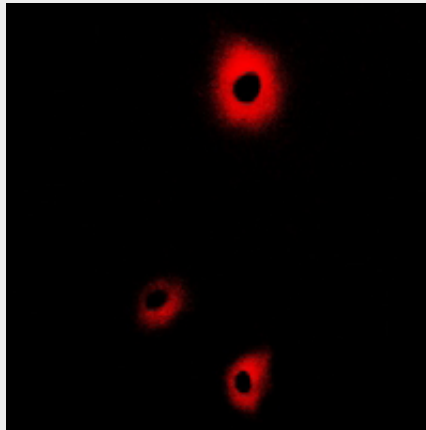
### **Anti-Beta-NaCH (pT615) Antibody - Images**



Western blot analysis of Beta-NaCH (pT615) expression in SGC7901 (A), A549 (B), rat lung (C) whole cell lysates.



Immunohistochemical analysis of Beta-NaCH (pT615) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of Beta-NaCH (pT615) staining in COS7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a Alexa Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

#### **Anti-Beta-NaCH (pT615) Antibody - Background**

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Beta-NaCH (pT615). The exact sequence is proprietary.