

For Research Use Only

# Beta ENaC Polyclonal antibody

Catalog Number: 14134-1-AP

Featured Product

15 Publications



## Basic Information

### Catalog Number:

14134-1-AP

### Size:

650 ug/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG5348

### GenBank Accession Number:

BC036352

### GeneID (NCBI):

6338

### UNIPROT ID:

P51168

### Full Name:

sodium channel, nonvoltage-gated 1, beta

### Calculated MW:

640 aa, 73 kDa

### Observed MW:

75-80 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat, pig, hamster

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : PC-3 cells, mouse kidney tissue

IHC : human kidney tissue,

## Background Information

SCNN1B, also named as SCNEB, ENaCB, Beta-NaCH and Beta-ENaC, belongs to the amiloride-sensitive sodium channel (TC 1A.6) family and SCNN1B subfamily. Sodium permeable non-voltage-sensitive ion channel is inhibited by the diuretic amiloride. SCNN1B mediates the electrodiffusion of the luminal sodium (and water, which follows osmotically) through the apical membrane of epithelial cells. It controls the reabsorption of sodium in kidney, colon, lung and sweat glands. SCNN1B plays a role in taste perception.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jason H Gumbel	34901942	Neurotrauma Rep	WB
Yalong Wang	31753849	J Exp Med	IHC
Liuqin He	35663373	Anim Nutr	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

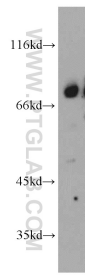
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

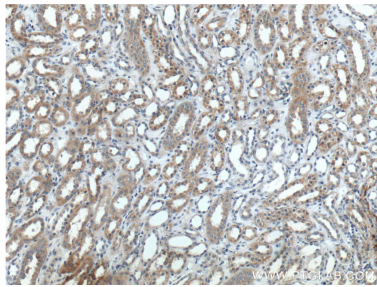
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

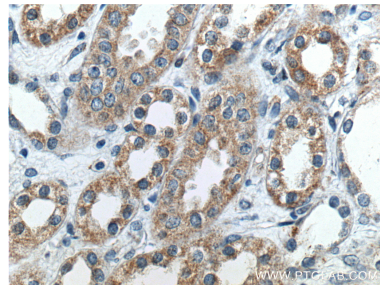
Selected Validation Data



PC-3 cells were subjected to SDS PAGE followed by western blot with 14134-1-AP (  $\beta$  -ENaC antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 14134-1-AP (  $\beta$  -ENaC Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 14134-1-AP (  $\beta$  -ENaC Antibody) at dilution of 1:200 (under 40x lens).