

## ARG22201 anti-ENaC beta antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes ENaC beta
Tested Reactivity	Hu, Ms, Rat, Hm, Xenopus laevis
Tested Application	ICC/IF, IHC-P, IP, WB
Specificity	Detects ~87kDa.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ENaC beta
Species	Rat
Immunogen	Synthetic peptide around aa. 617-638 (C-terminus) of Rat ENaC Beta
Conjugation	Un-conjugated
Alternate Names	Beta-ENaC; Nonvoltage-gated sodium channel 1 subunit beta; Epithelial Na; ENaCb; Amiloride-sensitive sodium channel subunit beta; ENaCB; Beta-NaCH; SCNEB; BESC1; ENaCbeta

### Application Instructions

Application table	Application	Dilution
	ICC/IF	Assay-dependent
	IHC-P	Assay-dependent
	IP	Assay-dependent
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS, 0.09% Sodium azide and 50% Glycerol
Preservative	0.09% Sodium azide
Stabilizer	50% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw

cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

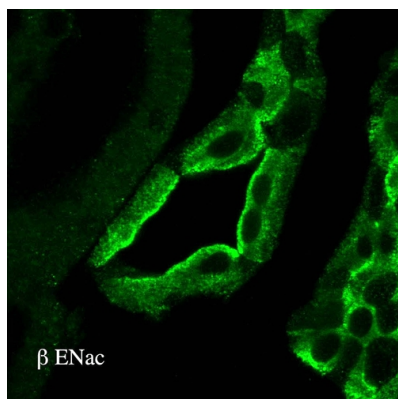
#### Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

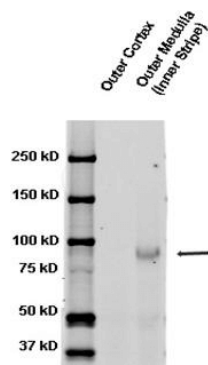
Gene Symbol	Scnn1b
Gene Full Name	sodium channel, non-voltage-gated 1, beta subunit
Background	Nonvoltage-gated, amiloride-sensitive, sodium channels control fluid and electrolyte transport across epithelia in many organs. These channels are heteromeric complexes consisting of 3 subunits: alpha, beta, and gamma. This gene encodes the beta subunit, and mutations in this gene have been associated with pseudohypoaldosteronism type 1 (PHA1), and Liddle syndrome. [provided by RefSeq, Apr 2009]
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. [UniProt]
Calculated Mw	73 kDa
PTM	Phosphorylated on serine and threonine residues. Aldosterone and insulin increase the basal level of phosphorylation. N-glycosylated. N-glycosylation is required for interaction with BPIFA1.
Cellular Localization	Apical cell membrane

## Images



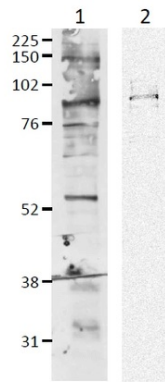
ARG22201 anti-ENaC beta antibody IHC image

Immunohistochemistry: Rat kidney tissue stained with ARG22201 anti-ENaC beta antibody.



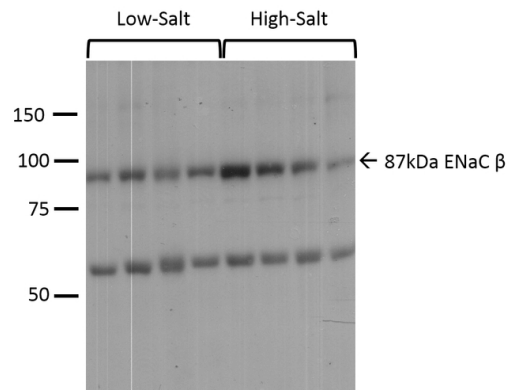
ARG22201 anti-ENaC beta antibody WB image

Western blot: Rat kidney tissue lysates stained with ARG22201 anti-ENaC beta antibody at 1:1000 dilution.



ARG22201 anti-ENaC beta antibody WB image

Western blot: 1) Mouse mpkCCD cell lysate, and 2) FRT expressing tagged beta-mENaC stained with ARG22201 anti-ENaC beta antibody.



ARG22201 anti-ENaC beta antibody WB image

Western blot: Mouse kidney cortex stained with ARG22201 anti-ENaC beta antibody at 1:1000 dilution. Low-salt diet (lanes 1-4) compared to a high-salt diet (lanes 5-8).