



# ENaC $\gamma$ Polyclonal Antibody

<b>Catalog No</b>	BYab-16517
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	SCNN1G
<b>Protein Name</b>	Amiloride-sensitive sodium channel subunit gamma
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human ENaC gamma. AA range:132-181
<b>Specificity</b>	ENaC $\gamma$ Polyclonal Antibody detects endogenous levels of ENaC $\gamma$ protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	$\geq 90\%$
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	SCNN1G; Amiloride-sensitive sodium channel subunit gamma; Epithelial Na(+) channel subunit gamma; ENaCG; Gamma-ENaC; Gamma-NaCH; Nonvoltage-gated sodium channel 1 subunit gamma; SCNEG
<b>Observed Band</b>	80kD
<b>Cell Pathway</b>	Apical cell membrane ; Multi-pass membrane protein . Apical membrane of epithelial cells. .
<b>Tissue Specificity</b>	Expressed in kidney (at protein level).
<b>Function</b>	disease:Defects in SCNN1G 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

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in taste perception.,PTM:Phosphorylated on serine and threonine residues.,PTM:Ubiquitinated; this targets individual subunits for endocytosis and proteasome-mediated degradation.,similarity:Belongs to the amiloride-sensitive sodium channel family.,subcellular location:Apical me

### 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 gamma subunit, and mutations in this gene have been associated with Liddle syndrome. [provided by RefSeq, Apr 2009],

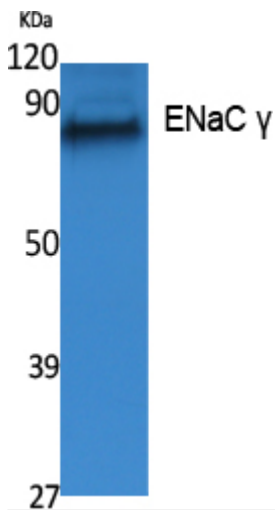
### matters needing attention

Avoid repeated freezing and thawing!

### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of extracts from A549 cells, using ENaC  $\gamma$  Polyclonal Antibody. Antibody was diluted at 1:500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western blot analysis of lysates from A549 cells, using ENaC  $\gamma$  antibody.

# ENaC

