

ENaC γ Polyclonal Antibody

Catalog No :	YT5032
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA
Target :	ENaC γ
Fields :	>>Taste transduction;>>Aldosterone-regulated sodium reabsorption
Gene Name :	SCNN1G
Protein Name :	Amiloride-sensitive sodium channel subunit gamma
Human Gene Id :	6340
Human Swiss Prot No :	P51170
Mouse Gene Id :	20278
Mouse Swiss Prot No :	Q9WU39
Rat Gene Id :	24768
Rat Swiss Prot No :	P37091
Immunogen :	The antiserum was produced against synthesized peptide derived from human ENaC gamma. AA range:132-181
Specificity :	ENaC γ Polyclonal Antibody detects endogenous levels of ENaC γ protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	80kD
Cell Pathway :	Taste transduction;Aldosterone-regulated sodium reabsorption;
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],
Function :	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 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
Subcellular Location :	Apical cell membrane ; Multi-pass membrane protein . Apical membrane of epithelial cells. .
Expression :	Expressed in kidney (at protein level).
Tag :	orthogonal
Sort :	5548
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

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