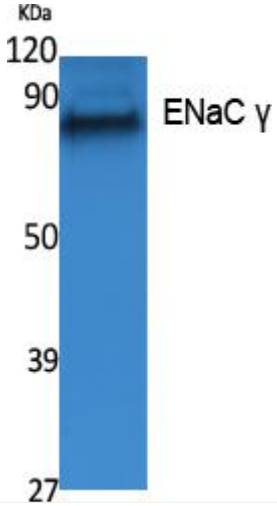
ENaC γ Monoclonal Antibody

Catalog No	BYmab-16517
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	SCNN1G
Protein Name	Amiloride-sensitive sodium channel subunit gamma
Immunogen	The antiserum was produced against synthesized peptide derived from human ENaC gamma. AA range:132-181
Specificity	ENaC γ Monoclonal Antibody detects endogenous levels of ENaC γ protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	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
Observed Band	80kD
Cell Pathway	Apical cell membrane ; Multi-pass membrane protein . Apical membrane of epithelial cells. .
Tissue Specificity	Expressed in kidney (at protein level).
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
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 various cells using ENaC γ Monoclonal Antibody