SCNN1G Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SCNN1G, Polyclonal Antibody
Full Product Name	SCNN1G Antibody
Product Gene Name	anti-SCNN1G antibody
Product Synonym Names	PHA1; BESC3; ENaCg; SCNEG; ENaCgamma
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Purity/Purification	Antigen affinity purification
Specificity	The antibody detects endogenous levels of total SCNN1G protein.
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.
Molecular Weight	74,270 Da
OMIM	gene 613071
3D Structure	ModBase 3D Structure for P51170
Immunogen	Fusion protein of human SCNN1G
Product Categories/Family for anti-SCNN1G antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SCNN1G antibody	Immunohistochemistry (IHC)
Application Notes for anti-SCNN1G antibody	IHC: 1: 20-100
Related Product Information for anti-SCNN1G antibody	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.
Other Notes	Small volumes of anti-SCNN1G antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SCNN1G purchase	MBS8594102 is an antibody targeting SCNN1G. Also known as SCNN1G Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SCNN1G. It may not necessarily be applicable to this product.

NCBI GI #	42476333

NCBI GeneID	6340
NCBI Accession #	NP_001030.2
UniProt Primary Accession #	P51170
UniProt Secondary Accession #	P78437; Q6PCC2; Q93023; Q93024; Q93025; Q93026; Q93027; Q96TD2
UniProt Related Accession #	P51170
GenBank Nucleotide #	NM_001039.3
NCBI Official Full Name	amiloride-sensitive sodium channel subunit gamma
NCBI Official Synonym Full Names	sodium channel, non-voltage-gated 1, gamma subunit
NCBI Official Symbol	SCNN1G
NCBI Official Synonym Symbols	PHA1; BESC3; ENaCg; SCNEG; ENaCgamma
UniProt Protein Name	Amiloride-sensitive sodium channel subunit gamma
UniProt Synonym Protein Names	Epithelial Na(+) channel subunit gamma; ENaCG; Gamma-ENaC; Gamma-NaCH; Nonvoltage-gated sodium channel 1 subunit gamma; SCNEG
Protein Family	Amiloride-sensitive sodium channel
UniProt Gene Name	SCNN1G
UniProt Synonym Gene Names	ENaCG; Gamma-ENaC
UniProt Entry Name	SCNNG_HUMAN
NCBI Protein Information	amiloride-sensitive sodium channel subunit gamma; gamma-ENaC; gamma-NaCH; ENaC gamma subunit; epithelial Na(+) channel subunit gamma; sodium channel, nonvoltage-gated 1, gamma; nonvoltage-gated sodium channel 1 subunit gamma; amiloride-sensitive sodium ch
UniProt Comments for SCNN1G	ENaC-gamma: 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. Defects in SCNN1G are a cause of Liddle syndrome (LIDDS). 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. Defects in SCNN1G are the cause of bronchiectasis with or without elevated sweat chloride type 3 (BESC3). A debilitating respiratory disease characterized by chronic, abnormal dilatation of the bronchi and other cystic fibrosis-like symptoms in the absence of known causes of bronchiectasis (cystic fibrosis, autoimmune diseases, ciliary dyskinesia, common variable immunodeficiency, foreign body obstruction). Clinical features include sub-normal lung function, sinopulmonary infections, chronic productive cough, excessive sputum production, and elevated sweat chloride in some cases. Belongs to the amiloride-sensitive sodium channel (TC 1.A.6) family. SCNN1G subfamily. Protein type: Channel, sodium; Membrane protein, multi-pass; Transporter, ion channel; Membrane protein, integral Chromosomal Location of Human Ortholog: 16p12 Cellular Component: integral to plasma membrane; apical plasma membrane; plasma membrane; external side of plasma membrane Molecular Function: amiloride-sensitive sodium channel activity; protein binding; WW domain binding; sodium channel activity Biological Process: sensory perception of taste; response to stimulus; sodium ion transport; sodium ion homeostasis; multicellular organismal water homeostasis; excretion; transmembrane transport Disease: Bronchiectasis With Or Without Elevated Sweat Chloride 3; Pseudohypoaldosteronism, Type I, Autosomal Recessive; Liddle Syndrome
Research Articles on SCNN1G	**1.** gamma subunit palmitoylation has a dominant role over beta subunit palmitoylation in modulating ENaC gating

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