

SCNN1G Polyclonal Antibody

Catalog number: 13943-1-AP

Size: 38 µg/150 µl

Source: Rabbit

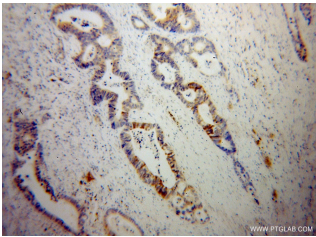
Isotype: IgG

Synonyms:

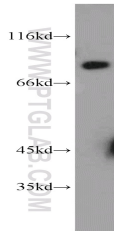
SCNN1G; ENaCg, ENaCgamma,

Gamma ENaC, Gamma NaCh,

PHA1, SCNEG, SCNN1G



Immunohistochemical of paraffin-embedded human colon cancer using 13943-1-AP (SCNN1G antibody) at dilution of 1:100 (under 10x lens)



mouse lung tissue were subjected to SDS PAGE followed by western blot with 13943-1-AP (SCNN1G antibody) at dilution of 1:1200

Background

SCNN1G (sodium channel, nonvoltage-gated 1, gamma), also known as ENaC gamma (epithelial Na⁺) channel subunit gamma) or amiloride-sensitive sodium channel subunit gamma, is the gamma subunit of the epithelial Na⁺ channel (ENaC). ENaC is expressed in the apical membrane of salt-absorbing epithelia of kidney, distal colon, and lung. ENaC is a non-voltage gated, constitutively active channel highly selective for sodium. It has an essential role in salt and fluid homeostasis across epithelial tissues. Mutations in the gene of SCNN1G have been associated with Liddle syndrome. Native SCNN1G has a calculated molecular weight of 74 kDa and maybe undergo post-transcriptional modifications, including glycosylation and proteolytic cleavage (PMID: 12871941; 18086683).

Applications

Tested applications:	ELISA, IHC, WB
Cited applications:	IHC
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human
Calculated SCNN1G MW:	74 kDa
Observed SCNN1G MW:	70-85 kDa
Positive WB detected in	Mouse lung tissue
Positive IHC detected in	Human colon cancer tissue
Recommended dilution:	WB: 1:500-1:5000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag5020
GenBank accession number:	BC059391
Gene ID (NCBI):	6340
Full name:	Sodium channel, nonvoltage-gated 1, gamma

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.