

For Research Use Only

SCNN1G Polyclonal antibody

Catalog Number: 30037-1-AP



Basic Information

Catalog Number:

30037-1-AP

Size:

150ul, Concentration: 550 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG32176

GenBank Accession Number:

BC059391

GeneID (NCBI):

6340

UNIPROT ID:

P51170

Full Name:

sodium channel, nonvoltage-gated 1, gamma

Calculated MW:

74 kDa

Observed MW:

74 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, pig

Positive Controls:

WB: A431 cells, COLO 320 cells, PC-3 cells, pig kidney tissue

Background Information

SCNN1G (sodium channel, non-voltage-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 the 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 may undergo post-transcriptional modifications, including glycosylation and proteolytic cleavage (PMID: 12871941; 18086683).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

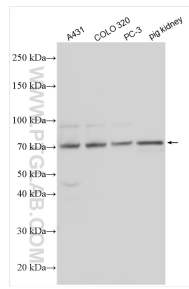
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30037-1-AP (SCNN1G antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.