For Research Use Only

SCNN1G Polyclonal antibody

Catalog Number:13943-1-AP 10 Publications

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Basic Information

Catalog Number:
13943-1-AP

Size:
150ul , Concentration: 350 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG5020

GenBank Accession Number:
BC059391

GeneID (NCBI):
6340

UNIPROT ID:
P51170

Full Name:
sodium channel, nonvoltage-gated 1, gamma

Calculated MW:
74 kDa

Observed MW:
70-85 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
IHC 1:500-1:2000

Applications

Tested Applications:
IHC, ELISA

Cited Applications:
WB, IHC

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

IHC : mouse cerebellum tissue,

Background Information

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Yanping Yang	36327816	Pathol Res Pract	IHC
Teruki Hagiwara	27259686	Respir Physiol Neurobiol	WB,IHC
Bingji Jin	29526865	Exp Anim	WB

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:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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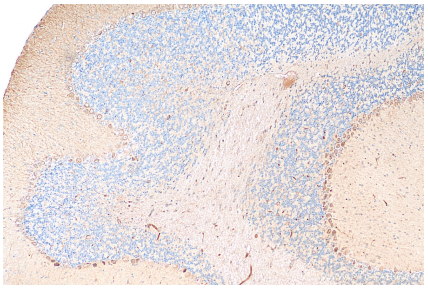
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 13943-1-AP (SCNN1G antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).