

For Research Use Only

SCNN1G Polyclonal antibody

Catalog Number: 13943-1-AP **10 Publications**



Basic Information

Catalog Number: 13943-1-AP	GenBank Accession Number: BC059391	Purification Method: Antigen affinity purification
Size: 350 µg/ml	GeneID (NCBI): 6340	Recommended Dilutions: IHC 1:500-1:2000
Source: Rabbit	UNIPROT ID: P51170	
Isotype: IgG	Full Name: sodium channel, nonvoltage-gated 1, gamma	
Immunogen Catalog Number: AG5020	Calculated MW: 74 kDa	
	Observed MW: 70-85 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : mouse cerebellum tissue,
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	

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

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

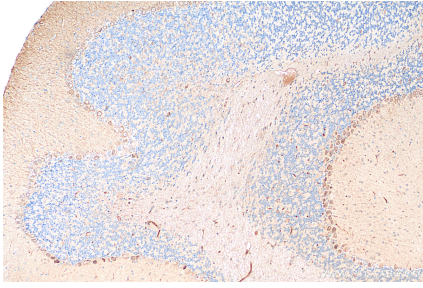
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Selected Validation Data



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).