

For Research Use Only

HCN1 Recombinant antibody

Catalog Number: 84845-3-RR



Basic Information

Catalog Number: 84845-3-RR	GenBank Accession Number: NM_021072	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 348980	CloneNo.: 242254A1
Source: Rabbit	UNIPROT ID: O60741	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:200-1:800
Isotype: IgG	Full Name: hyperpolarization activated cyclic nucleotide-gated potassium channel 1	
	Calculated MW: 99 kDa	
	Observed MW: 99-120 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : mouse brain tissue,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : mouse cerebellum tissue,

Background Information

HCN1, also named as BCNG1, belongs to the potassium channel HCN family. It hyperpolarization-activated ion channel exhibiting weak selectivity for potassium over sodium ions. HCN1 contributes to the native pacemaker currents in heart (If) and in neurons (Ih). It is activated by cAMP, and at 10-100 times higher concentrations, also by cGMP. HCN1 may mediate responses to sour stimuli.

Storage

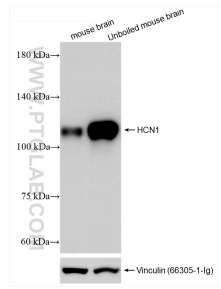
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

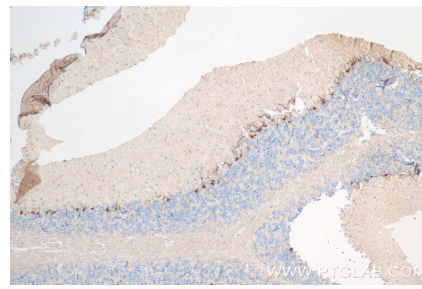
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



Boiled and unboiled mouse brain tissue lysates were subjected to SDS PAGE followed by western blot with 84845-3-RR (HCN1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 84845-3-RR (HCN1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).