

For Research Use Only

HCN1 Recombinant antibody

Catalog Number: 84845-3-RR



Basic Information

Catalog Number:

84845-3-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_021072

GeneID (NCBI):

348980

UNIPROT ID:

O60741

Full Name:

hyperpolarization activated cyclic
nucleotide-gated potassium channel
1

Calculated MW:

99 kDa

Observed MW:

99-120 kDa

Purification Method:

Protein A purification

CloneNo.:

242254A1

Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:200-1:800

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

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:

WB : mouse brain tissue,

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

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

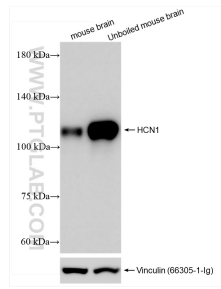
T: 4006900926

E: Proteintech-CN@ptglab.com

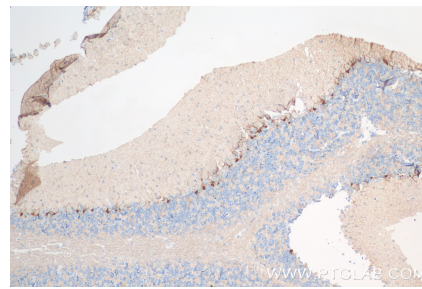
W: ptgcn.com

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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).