

For Research Use Only

HCN2 Recombinant antibody

Catalog Number: 84308-3-RR



Basic Information

Catalog Number:

84308-3-RR

Size:

1000 μ g/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG34038

GenBank Accession Number:

NM_001194

GeneID (NCBI):

610

UNIPROT ID:

Q9UL51

Full Name:

hyperpolarization activated cyclic
nucleotide-gated potassium channel
2

Calculated MW:

97 kDa

Observed MW:

110 kDa

Purification Method:

Protein A purification

CloneNo.:

241601E10

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : mouse brain tissue, mouse cerebellum tissue, rat
brain tissue, rat cerebellum tissue

Background Information

HCN2, also named as BCNG2, belongs to the potassium channel HCN family. The molecular weight of immature HCN2 is 90 kDa, and the protein is about 120 kDa after n-terminal glycosylation. It has been found that 60 kDa of HCN2 protein can be identified in mouse heart samples. Although all protein isolation steps were handled on ice and in the presence of protease inhibitors to reduce protease-dependent effects and to minimize protein degradation, it is certainly possible that the presence of the 60 kDa HCN2 protein in the heart samples does, in fact, reflect protein degradation. (PMID:21796099, PMID: 19574228)

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:

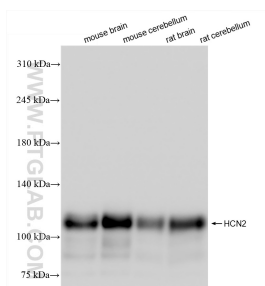
T: 4006900926

E: Proteintech-CN@ptglab.com

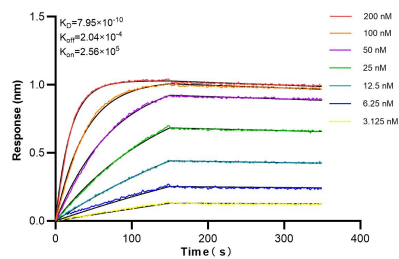
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84308-3-RR (HCN2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84308-3-RR against Human HCN2 were performed. The affinity constant is 0.795 nM.