

For Research Use Only

HCN2 Recombinant antibody

Catalog Number: 84308-3-RR



Basic Information

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| Catalog Number: 84308-3-RR | GenBank Accession Number: NM_001194 | Purification Method: Protein A purification |
| Size: 100ul , Concentration: 1000 µg/ml by Nanodrop; | GeneID (NCBI): 610 | CloneNo.: 241601E10 |
| Source: Rabbit | UNIPROT ID: Q9UL51 | Recommended Dilutions: WB 1:5000-1:50000 |
| Isotype: IgG | Full Name: hyperpolarization activated cyclic nucleotide-gated potassium channel 2 | |
| Immunogen Catalog Number: AG34038 | Calculated MW: 97 kDa | |
| | Observed MW: 110 kDa | |

Applications

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| Tested Applications: WB, ELISA | Positive Controls: |
| Species Specificity: human, mouse, rat | 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

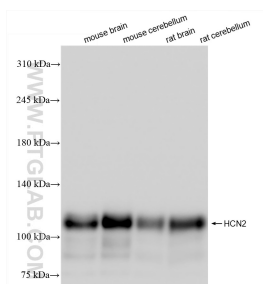
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

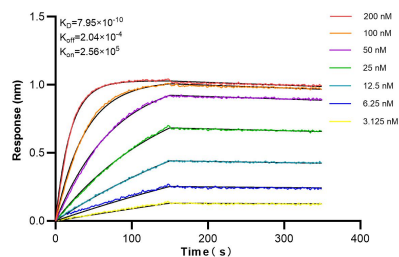
For technical support and original validation data for this product please contact:
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Selected Validation Data



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.