

For Research Use Only

HCN2 Polyclonal antibody

Catalog Number: 30946-1-AP



Basic Information

Catalog Number: 30946-1-AP	GenBank Accession Number: NM_001194	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop;	GeneID (NCBI): 610	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	Full Name: hyperpolarization activated cyclic nucleotide-gated potassium channel 2	
Isotype: IgG	Calculated MW: 97 kDa	
Immunogen Catalog Number: AG34038	Observed MW: 60 kDa, 90 kDa, 120 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse brain tissue, mouse cerebellum tissue, rat brain tissue
Species Specificity: Human, rat, mouse	

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

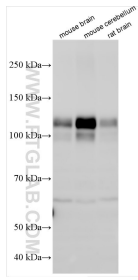
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30946-1-AP (HCN2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.