

For Research Use Only

HCN4 Polyclonal antibody

Catalog Number: 55224-1-AP

5 Publications



Basic Information

Catalog Number:

55224-1-AP

Size:

150ul , Concentration: 800 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_005477

GeneID (NCBI):

10021

UNIPROT ID:

Q9Y3Q4

Full Name:

hyperpolarization activated cyclic nucleotide-gated potassium channel 4

Calculated MW:

129 kDa

Observed MW:

140-160 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:8000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, hamster

Positive Controls:

WB : mouse brain tissue, rat brain tissue

Background Information

HCN4 belongs to the potassium channel HCN family. It hyperpolarization-activated ion channel with very slow activation and inactivation exhibiting weak selectivity for potassium over sodium ions. HCN4 may contribute to the native pacemaker currents in heart (If) and in neurons (Ih). It is activated by cAMP. HCN4 may mediate responses to sour stimuli. (PMID:10228147). Defects in HCN4 are a cause of sick sinus syndrome type 2 (SSS2). Defects in HCN4 are the cause of Brugada syndrome type 8 (BRS8). This antibody is specific to HCN4.

Notable Publications

Author	Pubmed ID	Journal	Application
L Zhengshuai	36214984	Bull Exp Biol Med	WB
Danielle Pretorius	35243219	iScience	WB
Pei Xu	36484369	Mol Med Rep	WB

Storage

Storage:

Store at -20°C.

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

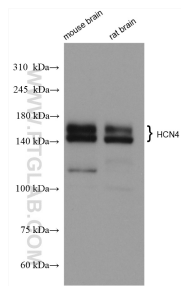
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 55224-1-AP (HCN4 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.