

For Research Use Only

# HCN4 Recombinant antibody, PBS Only

Catalog Number: 85222-4-PBS



## Basic Information

Catalog Number:

85222-4-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

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:

130 kDa

Purification Method:

Protein A purification

CloneNo.:

242695D11

## Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, mouse

## 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).

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

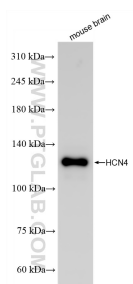
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Mouse brain tissue lysates were subjected to SDS PAGE followed by western blot with 85222-4-RR (HCN4 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85222-4-PBS in a different storage buffer formulation.