

For Research Use Only

# HCN1 Polyclonal antibody, PBS Only

Catalog Number: 55222-1-PBS



## Basic Information

**Catalog Number:**

55222-1-PBS

**Size:**

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

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_021072

**GeneID (NCBI):**

348980

**UNIPROT ID:**

O60741

**Full Name:**

hyperpolarization activated cyclic nucleotide-gated potassium channel 1

**Calculated MW:**

99 kDa

**Observed MW:**

99-120 kDa

**Purification Method:**

Antigen affinity purification

## Applications

**Tested Applications:**

WB, IHC, IP, Indirect ELISA

**Species Specificity:**

human, mouse, rat

## Background Information

HCN1, also named as BCNG1, belongs to the potassium channel HCN family. It hyperpolarization-activated ion channel exhibiting weak selectivity for potassium over sodium ions. HCN1 contributes to the native pacemaker currents in heart (If) and in neurons (Ih). It is activated by cAMP, and at 10-100 times higher concentrations, also by cGMP. HCN1 may mediate responses to sour stimuli.

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS Only

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

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

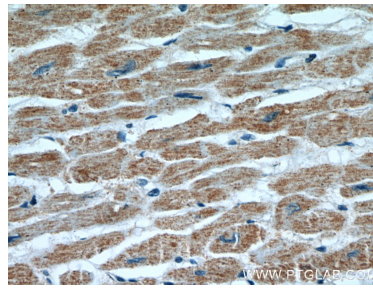
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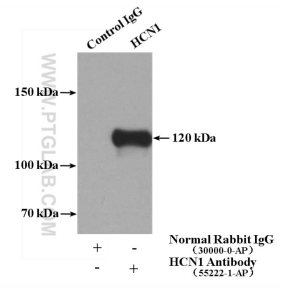
## Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 55222-1-AP (HCN1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 55222-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human heart using 55222-1-AP (HCN1 antibody) at dilution of 1:50 (under 40x lens). This data was developed using the same antibody clone with 55222-1-PBS in a different storage buffer formulation.



IP result of anti-HCN1 (IP:55222-1-AP, 4ug; Detection:55222-1-AP 1:1000) with mouse brain tissue lysate 4000ug. This data was developed using the same antibody clone with 55222-1-PBS in a different storage buffer formulation.