

For Research Use Only

HCN4 Polyclonal antibody

Catalog Number: 55224-1-AP **5 Publications**



Basic Information

Catalog Number: 55224-1-AP	GenBank Accession Number: NM_005477	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 800 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10021	Recommended Dilutions: WB 1:1000-1:8000
Source: Rabbit	Full Name: hyperpolarization activated cyclic nucleotide-gated potassium channel 4	
Isotype: IgG	Calculated MW: 129 kDa	
	Observed MW: 140-160 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse brain tissue, rat brain tissue
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: human, rat, hamster	

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

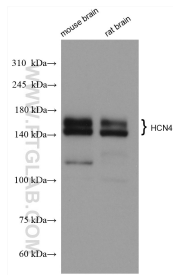
Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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



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.