

ARG22222 anti-HCN1 antibody [S70-28]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [S70-28] recognizes HCN1
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, IP, WB
Specificity	Detects ~100kDa. No cross-reactivity against HCN2.
Host	Mouse
Clonality	Monoclonal
Clone	S70-28
Isotype	IgG1
Target Name	HCN1
Species	Rat
Immunogen	Fusion protein around aa. 778-910 (C terminus) of Rat HCN1
Conjugation	Un-conjugated
Alternate Names	EIEE24; Brain cyclic nucleotide-gated channel 1; HAC-2; Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 1; BCNG-1; BCNG1

Application Instructions

Application table	Application	Dilution
	IHC-P	1:1000
	IP	Assay-dependent
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.09% Sodium azide and 50% Glycerol
Preservative	0.09% Sodium azide
Stabilizer	50% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw

cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

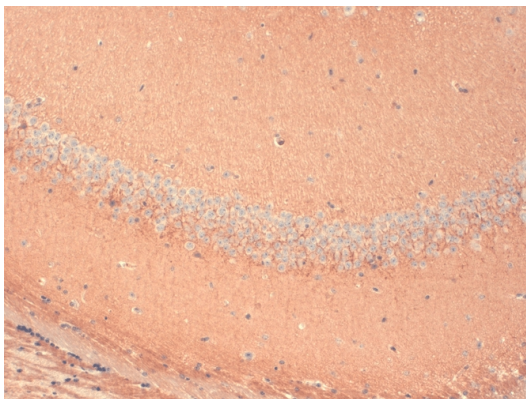
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

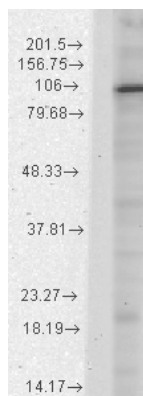
Gene Symbol	Hcn1
Gene Full Name	hyperpolarization-activated cyclic nucleotide-gated potassium channel 1
Background	The membrane protein encoded by this gene is a hyperpolarization-activated cation channel that contributes to the native pacemaker currents in heart and neurons. The encoded protein can homodimerize or heterodimerize with other pore-forming subunits to form a potassium channel. This channel may act as a receptor for sour tastes. [provided by RefSeq, Oct 2011]
Function	Hyperpolarization-activated ion channel exhibiting weak selectivity for potassium over sodium ions. Contributes to the native pacemaker currents in heart (If) and in neurons (Ih). May mediate responses to sour stimuli. [UniProt]
Calculated Mw	99 kDa
Cellular Localization	Membrane

Images



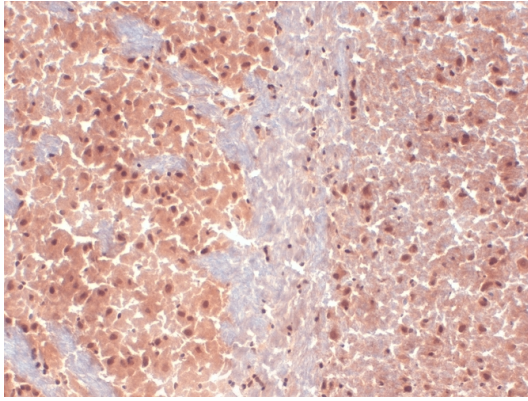
ARG22222 anti-HCN1 antibody [S70-28] IHC-Fr image

Immunohistochemistry: 10% Formalin (12-24 hours at RT) fixed Mouse frozen brain section stained with ARG22222 anti-HCN1 Antibody [S70-28] (brown) at 1:1000 dilution (1 hour). Counterstain: Mayer Hematoxylin (purple/blue) nuclear stain at 250-500uL for 5 minutes at RT.



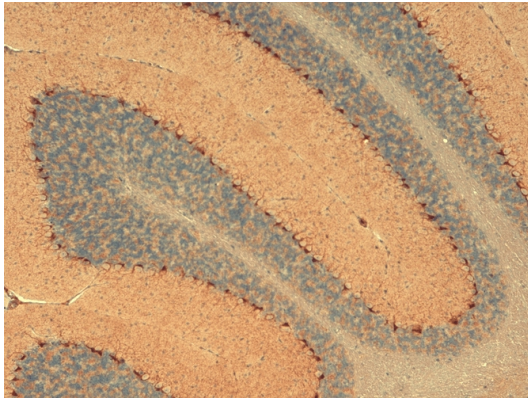
ARG22222 anti-HCN1 antibody [S70-28] WB image

Western blot: Rat brain membrane lysate stained with ARG22222 anti-HCN1 Antibody [S70-28] at 1:1000 dilution.



ARG22222 anti-HCN1 antibody [S70-28] IHC-Fr image

Immunohistochemistry: 10% Formalin (12-24 hours at RT) fixed Mouse frozen brain section stained with ARG22222 anti-HCN1 Antibody [S70-28] (brown) at 1:1000 dilution (1 hour). Counterstain: Mayer Hematoxylin (purple/blue) nuclear stain at 250-500uL for 5 minutes at RT.



ARG22222 anti-HCN1 antibody [S70-28] IHC image

Immunohistochemistry: 10% Formalin (12-24 hours at RT) fixed Mouse Cerebellum stained with ARG22222 anti-HCN1 Antibody [S70-28] (brown) at 1:1000 dilution (1 hour). Counterstain: Mayer Hematoxylin (purple/blue) nuclear stain at 250-500uL for 5 minutes at RT.