

Rabbit HCN1 Polyclonal Antibody | anti-HCN1 antibody

Phospho-HCN1 (Ser846) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328244	Rabbit	Human, Mouse, RatPredicted: Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken	ELISA, Immunohistochemistry, Western Blot

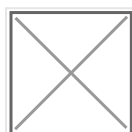
PRODUCT SYNONYMS

HCN1; Polyclonal Antibody; Phospho-HCN1 (Ser846) Antibody; BCNG-1; BCNG1; Brain cyclic nucleotide gated channel 1; Brain cyclic nucleotide-gated channel 1; HAC 2; HAC2; HCN1_HUMAN; Hyperpolarization activated cyclic nucleotide gated potassium channel 1; Potassium channel; voltage-gated; brain; 1; Potassium/sodium hyperpolarization activated cyclic nucleotide gated channel 1; Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 1; anti-HCN1 antibody

PRODUCT SPECIFICATIONS

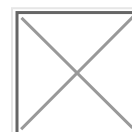
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-HCN1(Ser846) Antibody detects endogenous levels of HCN1 only when phosphorylated at Ser846.
Purity/Purification	Purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	890
Applicable Applications for anti-HCN1 antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human HCN1 around the phosphorylation site of Ser846.
Tissue Specificity	Detected in brain, in particular in amygdala and hippocampus, while expression in caudate nucleus, corpus callosum, substantia nigra, subthalamic nucleus and thalamus is very low or not detectable. Detected at very low levels in muscle and pancreas.
Subcellular Location	Plasma Membrane
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts of Mouse brain tissue sample, using Phospho-HCN1(Ser846) Antibody.



IHC (Immunohistochemistry)

At 1/100 staining rat heart tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



IHC (Immunohistochemistry)

At 1/100 staining human heart tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary

ADDITIONAL INFORMATION

Related Product Information for anti-HCN1 antibody	Description: Hyperpolarization-activated ion channel exhibiting weak selectivity for potassium over sodium ions (PubMed:28086084). Contributes to the native pacemaker currents in heart (If) and in neurons (Ih). May mediate responses to sour stimuli.
	Subunit Structure: Homotetramer (PubMed:28086084). Heterotetramer with HCN2. The potassium channel is composed of a homo- or heterotetrameric complex of pore-forming subunits. Interacts with KCNE2. Interacts with the SH3 domain of CSK (By similarity).
	Similarity: The segment S4 is probably the voltage-sensor and is characterized by a series of positively charged amino acids at every third position. Belongs to the potassium channel HCN family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	229462966
NCBI GeneID	348980
UniProt Accession #	O60741
Molecular Weight	Observed: 99 kDa Predicted: 99 kDa
NCBI Official Full Name	Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 1
NCBI Official Synonym Full Names	hyperpolarization activated cyclic nucleotide gated potassium channel 1
NCBI Official Symbol	HCN1
NCBI Official Synonym Symbols	BCNG1; HAC-2; BCNG-1; EIEE24; GEFSP10
NCBI Protein Information	potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 1
UniProt Protein Name	Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 1
UniProt Gene Name	HCN1
UniProt Synonym Gene Names	BCNG1; BCNG-1
UniProt Entry Name	HCN1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/hcn1-antibody-peptide-elisa-immunohistochemistry-western-blot-elisa/328244>