

Rabbit Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 1 Polyclonal Antibody | anti-HCN1 antibody

Anti-HCN1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46087	Rabbit	Human, Mouse, Rat. No cross reactivity with other proteins.	Western Blot

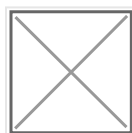
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

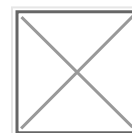
Host	Rabbit
Reactivity	Human, Mouse, Rat. No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	890
Applicable Applications for anti-HCN1 antibody	WB (Western Blot)
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	E.coli-derived human HCN1 recombinant protein (Position: E618-L890). Human HCN1 shares 82% amino acid (aa) sequence identity with both mouse and rat HCN1.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)

Anti- HCN1 antibody, AAA46087, Western blottingAll lanes: Anti HCN1 (AAA46087) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: Mouse Brain Tissue Lysate at 50ugLane 3: HELA Whole Cell Lysate at 40ugLane 4: U87 Whole Cell Lysate at 40ugLane 5: MCF-7 Whole Cell Lysate at 40ugPredicted bind size: 99KDObserved bind size: 99KD



WB (Western Blot)

Anti- HCN1 antibody, AAA46087, Western blottingAll lanes: Anti HCN1 (AAA46087) at 0.5ug/mlWB: Recombinant Human HCN1 Protein 0.5ngPredicted bind size: 45KDObserved bind size: 45KD

ADDITIONAL INFORMATION

Related Product Information for anti-HCN1 antibody	Description: Rabbit IgG polyclonal antibody for Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 1(HCN1) detection. Tested with WB in Human;Mouse;Rat. Background: Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 1, also known as HAC-2 or BCNG-1, is a protein that in humans is encoded by the HCN1 gene. It is mapped to 5p12. 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. Hyperpolarization-activated ion channel exhibiting weak selectivity for potassium over sodium ions. It may mediate responses to sour stimuli.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	116325989
NCBI GeneID	348980
NCBI Accession #	NP_066550.2
NCBI GenBank Nucleotide #	NM_021072.3
UniProt Accession #	O60741
Molecular Weight	98,796 Da
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
NCBI Protein Information	potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 1; brain cyclic nucleotide gated channel 1; brain 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.