

Summary

Production Name	HCN2 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	HCN2
Alternative Names	HCN2; BCNG2; Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 2; Brain cyclic nucleotide-gated channel 2; BCNG-2
Gene ID	610.0
SwissProt ID	Q9UL51.The antiserum was produced against synthesized peptide derived from human HCN2. AA range:491-540

Application

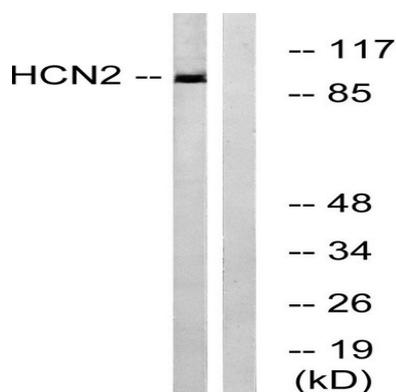
Dilution Ratio	WB 1:500 - 1:2000. ELISA: 1:40000
Molecular Weight	100kD

Background

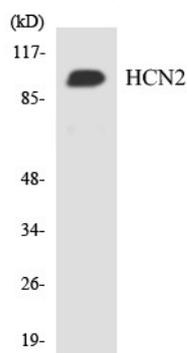
Hyperpolarization-activated cation channels of the HCN gene family, such as HCN2, contribute to spontaneous rhythmic activity in both heart and brain.[supplied by OMIM, Jul 2010],domain:The segment S4 is probably the voltage-sensor and is characterized by a series of positively charged amino acids at every third position.,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). Produces a large instantaneous current. Activated by cAMP. Modulated by intracellular chloride ions and pH; acidic pH shifts the activation to more negative voltages.,miscellaneous:Inhibited by extracellular cesium ions.,similarity:Belongs to the potassium channel HCN family.,similarity:Contains 1 cyclic nucleotide-binding domain.,subunit:The potassium channel is probably composed of a homo- or heterotetrameric complex of pore-forming subunits. Heteromultimer with HCN1. Interacts with KCNE2.,tissue specificity:Highly expressed throughout the brain. Detected at low levels in heart.,

Research Area

Image Data



Western blot analysis of lysates from Jurkat cells, using HCN2 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HT-29 cells using HCN2 antibody.

Product Name: HCN2 Rabbit Polyclonal Antibody
Catalog #: APRab11931



Note

For research use only.