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HCN1 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP14228b

Specification

HCN1 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession O60741

HCN1 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 348980

Other Names
Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 1, Brain cyclic nucleotide-gated channel 1, BCNG-1, HCN1, BCNG1

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

HCN1 Antibody (C-term) Blocking Peptide - Protein Information

Name HCN1

Synonyms BCNG1

Function
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.

Cellular Location
Cell membrane; Multi-pass membrane protein

Tissue Location
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

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HCN1 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

HCN1 Antibody (C-term) Blocking Peptide - Images

HCN1 Antibody (C-term) Blocking Peptide - Background

Hyperpolarization-activated cation channels of the HCNgene family, such as HCN1, contribute to spontaneous rhythmicactivity in both heart and brain.

HCN1 Antibody (C-term) Blocking Peptide - References

Odefrey, F., et al. Cancer Res. 70(4):1449-1458(2010)Laurin, N., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 150B (1), 95-103 (2009) :Woolcott, C.G., et al. Breast Cancer Res. 11 (1), R10 (2009) :Laurin, N., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 147B (5), 600-605 (2008) :Tang, B., et al. Neurobiol. Dis. 29(1):59-70(2008)