

HCN1 Antibody (aa778-910, clone S70-28)
Mouse Monoclonal Antibody
Catalog # ALS14546**Specification**

HCN1 Antibody (aa778-910, clone S70-28) - Product Information

Application	IF, IHC
Primary Accession	O60741
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal
Calculated MW	99kDa KDa

HCN1 Antibody (aa778-910, clone S70-28) - 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

Target/Specificity

Detects ~100 kD protein. No cross reactivity against HCN2.

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

HCN1 Antibody (aa778-910, clone S70-28) is for research use only and not for use in diagnostic or therapeutic procedures.

HCN1 Antibody (aa778-910, clone S70-28) - 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

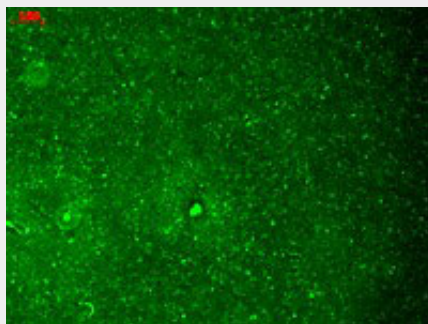
nucleus, corpus callosum, substantia nigra, subthalamic nucleus and thalamus is very low or not detectable. Detected at very low levels in muscle and pancreas

HCN1 Antibody (aa778-910, clone S70-28) - Protocols

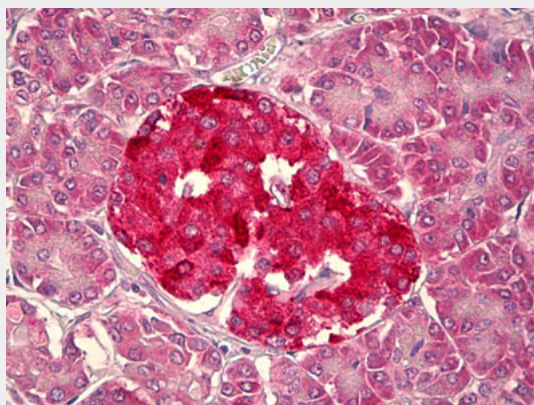
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

HCN1 Antibody (aa778-910, clone S70-28) - Images



HCN1 (S70-28), Human Hippocampus.



Anti-HCN1 antibody IHC of human pancreas, islets of Langerhans.

HCN1 Antibody (aa778-910, clone S70-28) - Background

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.

HCN1 Antibody (aa778-910, clone S70-28) - References

Schmutz J., et al. Nature 431:268-274(2004).

Santoro B.,et al.Cell 93:717-729(1998).
Gill C.H.,et al.Br. J. Pharmacol. 143:411-421(2004).
Nava C.,et al.Nat. Genet. 46:640-645(2014).