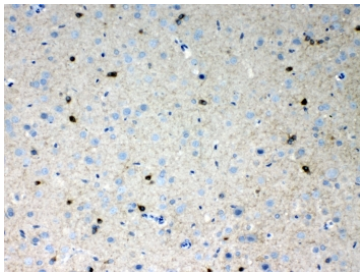
HCN2 Antibody (R32802)

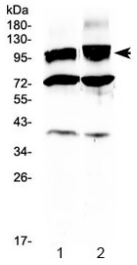
Catalog No.	Formulation	Size
R32802	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Predicted Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	Q9UL51
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This HCN2 antibody is available for research use only.



IHC testing of FFPE rat brain tissue with HCN2 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



Western blot testing of 1) rat brain and 2) mouse brain lysate with HCN2 antibody at 0.5ug/ml. Predicted molecular weight: 97-105 kDa (unmodified), 115-130 kDa (glycosylated).

Description

Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated ion channel 2 is a protein that in humans is encoded by the HCN2 gene. The HCN2 gene is localized on human chromosome 19p13.3 and contains eight exons spanning approximately 27 kb. Hyperpolarization-activated cation channels of the HCN gene family, such as HCN2, contribute to spontaneous rhythmic activity in both heart and brain.

Application Notes

Optimal dilution of the HCN2 antibody should be determined by the researcher.

Immunogen

Amino acids 682-714 (VFNNQENAIIQEIVKYDREMVQQAELGQRVGLF) from the human protein were used as the immunogen for the HCN2 antibody.

Storage

After reconstitution, the HCN2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.