

Product Datasheet

Anti-HCN2 Antibody FL594 Conjugate



Overview

Catalog #	75-111-FL594
Conjugate	FL594 Ex: 594 nm, Em: 615 nm
Isotype	IgG1
Clone Number	N71/37
Size	200 µL
Concentration	0.5 mg/mL
Host Species	Mouse Monoclonal
Format	Purified by Protein A chromatography
Buffer	PBS with 0.09% azide
Applications	ICC, IHC
Species Reactivity	Human, Mouse, and Rat
Immunogen	Fusion protein amino acids 761-863 (cytoplasmic C-terminus) of rat HCN2 (accession number Q9JKA9) produced recombinantly in E. Coli
Molecular Weight	95 kDa
Cite this Antibody	Antibodies Inc Cat# 75-111-FL594, RRID: AB_2939418

Details

Target Description	HCN2 is a member of the hyperpolarization-activated cyclic nucleotide gated channel family, also known as pacemaker channels. This family has a role in rhythmic activity of the heart and firing neurons. HCN channels are made up of four subunits, HCN1-4 and can be formed in multiple combinations. HCN2 is expressed throughout the brain and in high levels in thalamic and brainstem nuclei.
Specificity	No cross-reactivity against HCN1
Purification Method	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb. Purified mAbs are >90% specific antibody.
Quality Control Tests	Each new lot of antibody is quality control tested by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.
Storage	Aliquot and store at ≤ -20°C for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to removing the cap.

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