

Product Datasheet

Anti-HCN4 Antibody FL490 Conjugate



Overview

Catalog #	75-150-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	N114/10
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	Gerbil, Human, Mouse, Pig, and Rat
Immunogen	Fusion protein amino acids 1019-1108 (cytoplasmic C-terminus) of rat HCN4 (accession number Q9JKA7) produced recombinantly in E. Coli
Molecular Weight	130 kDa
Cite this Antibody	Antibodies Inc Cat# 75-150-FL490, RRID: AB_2939556

Details

Target Description	HCN4 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. HCN4 is found in the cell membrane as a multi pass membrane protein in the sino-atrial node of the heart. This protein is highly expressed in neurons in the thalamus and other brain regions and testis. Mutations in HCN4 have been found in several types of sinus bradycardia.
Specificity	No cross-reactivity against other HCN's
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 $\leq -20^{\circ}\text{C}$ for long term storage. For short term storage, store at $2-8^{\circ}\text{C}$. For maximum recovery of product, centrifuge the vial prior to removing the cap.

Our Guarantee

As an original manufacturer, we are dedicated to creating quality and reproducible antibodies that further your research. We provide personalized customer support from the scientists that made the antibody and offer a free replacement or 100% refund if we cannot resolve an issue. Order today and experience our 50+ year passion for science.

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