

## Product Datasheet

## Anti-HCN2 Antibody FL550 Conjugate



## Overview

<b>Catalog #</b>	75-111-FL550
<b>Conjugate</b>	FL550 Ex: 550 nm, Em: 575 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N71/37
<b>Size</b>	200 µL
<b>Concentration</b>	0.5 mg/mL
<b>Host Species</b>	Mouse Monoclonal
<b>Format</b>	Purified by Protein A chromatography
<b>Buffer</b>	PBS with 0.09% azide
<b>Applications</b>	ICC, IHC
<b>Species Reactivity</b>	Human, Mouse, and Rat
<b>Immunogen</b>	Fusion protein amino acids 761-863 (cytoplasmic C-terminus) of rat HCN2 (accession number Q9JKA9) produced recombinantly in E. Coli
<b>Molecular Weight</b>	95 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-111-FL550, RRID: AB_2939417

## Details

<b>Target Description</b>	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.
<b>Specificity</b>	No cross-reactivity against HCN1
<b>Purification Method</b>	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.
<b>Quality Control Tests</b>	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.
<b>Storage</b>	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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