

## Product Datasheet

## Anti-SUR2A Antibody FL490 Conjugate



## Overview

<b>Catalog #</b>	75-296-FL490
<b>Conjugate</b>	FL490 Ex: 491 nm, Em: 515 nm
<b>Isotype</b>	IgG2a
<b>Clone Number</b>	N319A/14
<b>Size</b>	200 $\mu$ L
<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>	Mouse and Rat
<b>Immunogen</b>	Fusion protein amino acids 1505-1546 (SSIVDAGLVLVFSEGILVECDTGPPLLQHKNGLFSTLVMTNK, cytoplasmic C-terminus) of mouse SUR2A (accession number P70170) produced recombinantly in E. Coli
<b>Molecular Weight</b>	120 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-296-FL490, RRID: AB_2940040

## Details

<b>Target Description</b>	Sulfonylurea receptor 2A (SUR2A), or ATP binding cassette transporter subfamily C member 9 is encoded by the gene ABCC9 and is a member of the ABC transporter super family. Differential splicing of the ABCC9 gene produces 2 isoforms, SUR2A and SUR2B. SUR2A forms cardiac and smooth muscle-type KATP channels with KCNJ11(Kir6.2) and is involved in regulation and activation. Diseases associated with this gene include Cantu Syndrome and Dilated Cardiomyopathy 10.
<b>Specificity</b>	Does not cross-react with SUR2B
<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 on cells overexpressing target protein and confirmed to give the expected staining pattern.

**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.

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