

Product Datasheet

Anti-SUR2A Antibody FL594 Conjugate



Overview

Catalog #	75-296-FL594
Conjugate	FL594 Ex: 594 nm, Em: 615 nm
Isotype	IgG2a
Clone Number	N319A/14
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	Mouse and Rat
Immunogen	Fusion protein amino acids 1505-1546 (SSIVDAGLVLVFSEGILVECDTGPPLLQHKNGLFSTLVMTNK, cytoplasmic C-terminus) of mouse SUR2A (accession number P70170) produced recombinantly in E. Coli
Molecular Weight	120 kDa
Cite this Antibody	Antibodies Inc Cat# 75-296-FL594, RRID: AB_2940042

Details

Target Description	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.
Specificity	Does not cross-react with SUR2B
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 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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