

Product Datasheet

Anti-MiRP4 Antibody FL594 Conjugate



Overview

Catalog #	75-469-FL594
Conjugate	FL594 Ex: 594 nm, Em: 615 nm
Isotype	IgG2a
Clone Number	N472/88
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
Species Reactivity	Human, Mouse, and Rat
Immunogen	Fusion protein amino acids 1-60 (extracellular N-terminus) and 82-142 (cytoplasmic C-terminus) of human MiRP4 (accession number Q9UJ90) produced recombinantly in E. Coli
Molecular Weight	
Cite this Antibody	Antibodies Inc Cat# 75-469-FL594, RRID: AB_2940566

Details

Target Description	Potassium voltage-gated channel subfamily E regulatory subunit 5 is encoded by the gene KCNE5. KCNE5 is a member of the potassium channel KCNE family. KCNE5 is a potassium channel ancillary subunit that is essential for generation of some native K(+) currents by forming a heteromeric ion channel complex with voltage-gated potassium (Kv) channel pore-forming alpha subunits. KCNE5 functions as an inhibitory beta-subunit of the repolarizing cardiac potassium ion channel KCNQ1. KCNE5 is expressed in the heart, skeletal muscle, brain, spinal cord, and placenta. Diseases associated with KCNE5 include brugada syndrome and alport syndrome-intellectual disability-midface hypoplasia-elliptocytosis syndrome.
Specificity	No cross-reactivity reported
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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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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