

## Product Datasheet

Anti-Kir2.3 K<sup>+</sup> Channel Antibody FL490 Conjugate

## Overview

<b>Catalog #</b>	75-069-FL490
<b>Conjugate</b>	FL490 Ex: 491 nm, Em: 515 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N25/35
<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 390-445 of human Kir2.3 (accession number NP_032453) produced recombinantly in E. Coli
<b>Molecular Weight</b>	45 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-069-FL490, RRID: AB_2939284

## Details

<b>Target Description</b>	Inward rectifier potassium channel 4 or Kir2.3 is encoded by the gene KCNJ4. Kir2.3 is a member of the inward rectifier potassium ion channel family and plays a role in excitability of muscle cells and neurons. Kir2.3 is an integral membrane protein that is found expressed in heart, skeletal muscle, and several different brain regions including the hippocampus. Diseases associated with KCNJ4 include Long Qt Syndrome 9 and Seizures, Sensorineural Deafness, Ataxia, Mental Retardation, And Electrolyte Imbalance.
<b>Specificity</b>	No cross-reactivity against Kir2.1 or Kir2.2
<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.

**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**

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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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