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Product Datasheet

Anti-Kir2.4 Antibody FL490 Conjugate

Overview

Catalog #	75-471-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	N465/11
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 360-434 (cytoplasmic C-terminus) of mouse Kir2.4 (accession number Q8JZN3) produced recombinantly in E. Coli
Molecular Weight	47 kDa
Cite this Antibody	Antibodies Inc Cat# 75-471-FL490, RRID: AB_2940572

Details

Target Description	ATP-sensitive inward rectifier potassium channel 14 or Kir1.4 is encoded by the gene KCNJ14. Kir2.4 is a member of the inward rectifier potassium ion channel family and plays a role controlling the resting membrane potential in muscle cells and neurons. Kir2.4 is an integral membrane protein that is expressed in neuronal cells of the cranial nerve, motor nuclei in the midbrain, pons, and medulla.
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 by IHC on either rat or mouse brain and confirmed to give the expected staining pattern.
Storage	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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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.