

Product Datasheet

Anti-Kir3.3 Antibody FL490 Conjugate



Overview

Catalog #	75-445-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG2a
Clone Number	N455/15
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	Human, Mouse, and Rat
Immunogen	Fusion protein amino acids 1-21 and 341-393 (fusion of cytoplasmic N- and C-termini) of mouse Kir3.3 (accession number P48543) produced recombinantly in E. Coli
Molecular Weight	40 kDa
Cite this Antibody	Antibodies Inc Cat# 75-445-FL490, RRID: AB_2940480

Details

Target Description	Potassium inwardly rectifying channel subfamily J member 9 is encoded by the gene KCNJ9. KCNJ9 is a member of the inward rectifier-type potassium channel (TC 1.A.2.1) family, KCNJ9 subfamily. KCNJ9 is an integral membrane protein and inward-rectifier type potassium channel, which has a greater tendency to allow potassium to flow into the cell rather than out of the cell. KCNJ9 is controlled by G-proteins and associates with another G-protein-activated potassium channel to form a heteromultimeric pore-forming complex. KCNJ9 is expressed in the brain and skeletal muscle. Diseases associated with KCNJ9 include Pendred Syndrom and Seizures, Sensorineural Deafness, Ataxia, Mental Retardation, and Electrolyte Imbalance.
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 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

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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