

Product Datasheet

Anti-Kv6.1 Antibody FL490 Conjugate



Overview

Catalog #	75-490-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	N474/27
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	Mouse
Immunogen	Fusion protein amino acids 1-227 (cytoplasmic N-terminus) of mouse Kv6.1 (accession number A2BDX4) produced recombinantly in E. Coli
Molecular Weight	58 kDa
Cite this Antibody	Antibodies Inc Cat# 75-490-FL490, RRID: AB_2940636

Details

Target Description	Potassium voltage-gated channel modifier subfamily G member 1 is encoded by the gene KCNG1. KCNG1 is a member of the potassium channel family, G (TC 1.A.1.2) subfamily, Kv6.1/KCNG1 sub-subfamily. KCNG1 is a potassium channel subunit that does not form functional channels by itself. It can form functional heterotetrameric channels with KCNB1. KCNG1 modulates the delayed rectifier voltage-gated potassium channel activation and deactivation rates of KCNB1. KCNG1 is expressed in skeletal muscle. Diseases associated with KCNG1 include Colon Small Cell Carcinoma and Fragile X 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.

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.

Note: For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, viewable on our website.