

Product Datasheet

Anti-Slo2.2/Slack K⁺ Channel Antibody FL490 Conjugate

Overview

Catalog #	75-051-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	N3/26
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, Marine Mollusk, Mouse, and Rat
Immunogen	Fusion protein amino acids 1168-1237 of rat Slo2.2 (accession number NP_068625) produced recombinantly in E. Coli
Molecular Weight	140 kDa
Cite this Antibody	Antibodies Inc Cat# 75-051-FL490, RRID: AB_2939224

Details

Target Description	Potassium channel subfamily T member 1 or -KCNT1/Slo2.2/Slack K ⁺ channel is encoded by the gene KCNT1. Slo2.2 is a member of the the voltage-gated ion channel (vic) superfamily, and the KCNT protein family, which is made of KCNT1 and KCNT2. Slo2.2 functions as an outwardly rectifying potassium channel subunit to contribute to ion conductance and signaling pathways. Slo2.2 can be activated by high intracellular sodium or chloride levels. Slo2.2 is expressed at the membrane in many areas of the brain, brainstem, spinal cord, spleen and liver. Mutations in this gene cause the early-onset epileptic disorders
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.

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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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