

Product Datasheet

Anti-NALCN Antibody FL490 Conjugate



Overview

Catalog #	75-220-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	N185/7
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 and Rat
Immunogen	Fusion protein amino acids 1659-1738 (cytoplasmic C-terminus) of rat NALCN (accession number Q6Q760) produced recombinantly in E. Coli
Molecular Weight	200 kDa
Cite this Antibody	Antibodies Inc Cat# 75-220-FL490, RRID: AB_2939808

Details

Target Description	Sodium Leak Channel, Non-Selective is encoded by the gene NALCN. NALCN is a member of the cation-nonspecific channel family. NALCN is a voltage-independent, cation-nonspecific channel which is permeable to sodium, potassium, and calcium ions. NALCN regulates the resting membrane potential and controls neuronal excitability. NALCN is expressed in the brain, heart, and pancreas. Diseases associated with NALCN include Congenital Contractures of the Limbs and Face, Hypotonia, and Developmental Delay and Hypotonia, Infantile, with Psychomotor Retardation and Characteristic Facies 1.
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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