

Product Datasheet

Anti-Neuroigin-2 Antibody FL490 Conjugate



Overview

Catalog #	75-451-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	L107/39
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 and Mouse
Immunogen	Fusion protein amino acids 700-836 (cytoplasmic C-terminus) of mouse Neuroigin-2 (accession number Q69ZK9) produced recombinantly in E. Coli
Molecular Weight	90-100 kDa
Cite this Antibody	Antibodies Inc Cat# 75-451-FL490, RRID: AB_2940500

Details

Target Description	Neuroigin2 is encoded by the gene NLGN2. Neuroigin2 is a transmembrane scaffolding protein and cell adhesion molecule. It is involved in cell-cell interactions in neurons and in other cell types. It is expressed in many tissues, including the brain where it is located at the postsynaptic membrane and is involved in regulation of inhibitory synapses, synapse formation and synaptic transmission. Diseases associated with this gene include Pervasive Developmental Disorder and Autism.
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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