

Product Datasheet

Anti-Neuroigin-1 Antibody FL490 Conjugate



Overview

Catalog #	75-160-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	N97A/31
Size	200 μ L
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	Chicken, Human, Mouse, and Rat
Immunogen	Fusion protein amino acids 718-843 (intracellular C-terminus) of rat Neuroigin-1 (accession number NP_446320) produced recombinantly in E. Coli
Molecular Weight	120 kDa
Cite this Antibody	Antibodies Inc Cat# 75-160-FL490, RRID: AB_2939592

Details

Target Description	Neuroigin 1 is a member of a large family of alternatively sliced proteins located at the post synaptic surface in the central nervous system, and stains as a post synaptic marker. Neuroigin 1 is involved in cell-cell-interactions by binding to neurexin family members and other postsynaptic proteins to localize receptors and channels in the postsynaptic density. Suggested roles for Neuroigin 1 include synapse function and synaptic signal transmission and maintaining synapse integrity. Mutations in Neuroigilans have been implicated in autism and other cognitive disorders.
Specificity	Does not cross-react with Neuroigin-2, -3, -4 or -4*
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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