

Product Datasheet

Anti-GluN3A/NR3A Antibody FL490 Conjugate



Overview

Catalog #	75-416-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG2a
Clone Number	N416/40
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	Mouse and Rat
Immunogen	Fusion protein amino acids 58-87 or 152-176 (extracellular N-terminus) of mouse GluN3A (accession number A2AIR5) produced recombinantly in E. Coli
Molecular Weight	110 kDa
Cite this Antibody	Antibodies Inc Cat# 75-416-FL490, RRID: AB_2940380

Details

Target Description	Glutamate receptor ionotropic, NMDA3A, N-Methyl-D-Aspartate Receptor Subtype 3A or GluN3A is encoded by the gene GRIN3A. GluN3A is a subunit of the N-methyl-D-aspartate (NMDA) receptor, which is a subtype of channel forming ionotropic glutamate receptor which is permeable to cations including calcium, potassium and sodium. GluN3a is expressed in the CNS especially in development and appears to play a role in delaying synapse maturation. Diseases associated with GRIN3A include Macroductyly
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.

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