

Product Datasheet

Anti-GluN2B/NR2B Glutamate Receptor Antibody FL594 Conjugate



Overview

Catalog #	75-097-FL594
Conjugate	FL594 Ex: 594 nm, Em: 615 nm
Isotype	IgG2a
Clone Number	N59/20
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, Mouse, and Rat
Immunogen	Fusion protein amino acids 20-271 (extracellular N-terminus) of rat NR2B (accession number Q00960) produced recombinantly in E. Coli
Molecular Weight	166 kDa
Cite this Antibody	Antibodies Inc Cat# 75-097-FL594, RRID: AB_2939362

Details

Target Description	GluN2B/NR2b glutamate receptor, also known as Glutamate/N-methyl D-aspartate/NMDA receptor subtype 2B, is a member of the NMDA receptor family. NMDA receptors are expressed throughout the CNS in postsynaptic cell membranes. GluN2B is a major NMDAR subtype found in cortical and hippocampal regions of the adult brain. NMDA receptors are involved with memory and learning. Mutations in the gene encoding GluN2B are associated with autism, LennoxGastaut and West Syndromes.
Specificity	Does not cross-react with GluN2A/NR2A
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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