

Product Datasheet

Anti-GluA1/GluR1 Glutamate Receptor Antibody FL490 Conjugate



Overview

Catalog #	75-327-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	N355/1
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 1-389 (extracellular N-terminus) of rat GluA1/GluR1 (accession number P19490) produced recombinantly in E. Coli.
Molecular Weight	100 kDa
Cite this Antibody	Antibodies Inc Cat# 75-327-FL490, RRID: AB_2940132

Details

Target Description	Glutamate receptor 1 or GluA1/GluR1 glutamate receptor is a member of the glutamate-gated ion channel family. GluR1 functions as an excitatory neurotransmitter at many synapses in the central nervous system and is widely expressed in brain. Mutations in the GluR1 gene are associated with cerebral cortical dysplasia, Status Epilepticus, and depression.
Specificity	Does not cross-react with GluR2
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 ≤ -20°C for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to removing the cap.

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