

Product Datasheet

Anti-GluA2/GluR2 Glutamate Receptor Antibody FL490 Conjugate

NeuroMab



KO Validated

Overview

Catalog #	75-002-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	L21/32
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	Human, Mouse, and Rat
Immunogen	Fusion protein amino acids 834-883 (EFCYKSRAEAKRMKVAKNPQNINPSSSQNSQNFATYKEGYNVYGIESVKI, cytoplasmic C-terminus) of rat GluA2/GluR2 produced recombinantly in E. Coli
Molecular Weight	90 kDa
Cite this Antibody	Antibodies Inc Cat# 75-002-FL490, RRID: AB_2939068

Details

Target Description	Glutelin type-A 2 (GluA2) , also called GRIA2, GLUR2, GLURB, GluA2, GluR-K2, HBGR2 or glutamate ionotropic receptor AMPA type subunit 2, is a member of the Glutamate receptor family of the mammalian brain. This neurotransmitter receptor subunit, which is activated during normal central nervous system fuction, is encoded by the GRIA2 (or GLUR2) gene. GluA2 constitutes a key subunit that regulates AMPA receptors. AMPA receptors lacking of Glua2 have been shown to be present in diseased brains, whose basic fuctions have been altered.
Specificity	Does not cross-react with GluA1/GluR1, GluA3/GluR3 or GluA4/GluR4 (based on KO validation results)
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.

Our Guarantee

As an original manufacturer, we are dedicated to creating quality and reproducible antibodies that further your research. We provide personalized customer support from the scientists that made the antibody and offer a free replacement or 100% refund if we cannot resolve an issue. Order today and experience our 50+ year passion for science.

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