

## Product Datasheet

## Anti-GluN2B/NR2B Glutamate Receptor Antibody FL490 Conjugate

NeuroMab



KO Validated

## Overview

<b>Catalog #</b>	75-101-FL490
<b>Conjugate</b>	FL490 Ex: 491 nm, Em: 515 nm
<b>Isotype</b>	IgG2b
<b>Clone Number</b>	N59/36
<b>Size</b>	200 µL
<b>Concentration</b>	0.5 mg/mL
<b>Host Species</b>	Mouse Monoclonal
<b>Format</b>	Purified by Protein A chromatography
<b>Buffer</b>	PBS with 0.09% azide
<b>Applications</b>	ICC, IHC
<b>Species Reactivity</b>	Human, Mouse, and Rat
<b>Immunogen</b>	Fusion protein amino acids 20-271 (extracellular N-terminus) of rat NR2B (accession number Q00960) produced recombinantly in E. Coli
<b>Molecular Weight</b>	166 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-101-FL490, RRID: AB_2939376

## Details

<b>Target Description</b>	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.
<b>Specificity</b>	Does not cross-react with GluN2A/NR2A
<b>Purification Method</b>	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.
<b>Quality Control Tests</b>	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**

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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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