

Product Datasheet

Anti-GABA-A-R, Beta1 Antibody FL490 Conjugate



Overview

Catalog #	75-137-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	N96/55
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 327-450 of mouse GABA-A-R-Beta1 (accession number P50571) produced recombinantly in E. Coli
Molecular Weight	55 kDa
Cite this Antibody	Antibodies Inc Cat# 75-137-FL490, RRID: AB_2939508

Details

Target Description	Gamma-aminobutyric acid receptor subunit beta-1 or -GABA AR-Beta1 is encoded by the gene GABRB1. GABAA receptors are members of the Cys-loop family of ligand-gated ion channels. GABA AR alpha 5 is a subunit of the pentameric GABA receptors where GABA is the major inhibitory neurotransmitter in the vertebrate brain and mediates neuronal inhibition by binding to the GABA receptor and opening an integral chloride channel. GABA AR-Beta1 is primarily expressed in brain at the cell junction, synapse, and the postsynaptic cell membrane. Diseases associated with GABRB1 include early infantile epileptic encephalopathy 43, neurotic disorder, schizophrenia and autism.
Specificity	No cross-reactivity against GABA-A-R-Beta2 or -Beta3
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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