

Product Datasheet

Anti-GABA-A-R, Beta3 Antibody FL490 Conjugate



Overview

Catalog #	75-149-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	N87/25
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 370-433 of mouse GABA-A-R-Beta3 (accession number AAB60502) produced recombinantly in E. Coli
Molecular Weight	55 kDa
Cite this Antibody	Antibodies Inc Cat# 75-149-FL490, RRID: AB_2939552

Details

Target Description	Gamma-aminobutyric acid receptor subunit beta-3 or GABA AR-Beta3 is encoded by the gene GABRB3. GABAA receptors are members of the Cys-loop family of ligand-gated ion channels. GABA AR-beta3 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 beta3 has been found to be expressed in retina, heart and primarily in brain at the cell junction, synapse, postsynaptic cell membrane and cytoplasmic vesicle membrane. This gene may be associated with the pathogenesis of several disorders including epilepsy and autism, childhood absence epilepsy 5 and early infantile epileptic encephalopathy 43.
Specificity	No cross-reactivity against GABA-A-R-Beta1 or -Beta2
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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