

Product Datasheet

Anti-GABA-A-R-Alpha6 Antibody FL490 Conjugate



Overview

Catalog #	75-388-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	N229A/32
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	Mouse and Rat
Immunogen	Fusion protein amino acids 325-420 (last cytoplasmic domain before extracellular C-terminus) of mouse GABA-A-R-Alpha6 (accession number P16305) produced recombinantly in E. Coli
Molecular Weight	50 kDa
Cite this Antibody	Antibodies Inc Cat# 75-388-FL490, RRID: AB_2940280

Details

Target Description	Gamma-aminobutyric acid receptor subunit alpha-6 or GABA-A-R-Alpha6 is encoded by the gene GABRA6. 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-Alpha6 is primarily expressed in brain at the cell junction, synapse, the postsynaptic cell membrane and cytoplasmic vesicle membrane. Diseases associated with GABRA6 include neurotic disorder and several forms of epilepsy.
Specificity	Does not react with GABA-A-R-Alpha4
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 on cells overexpressing target protein and confirmed to give the expected staining pattern.

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.

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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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