

Product Datasheet

Anti-GABA-A-R-Beta2/3 Antibody FL490 Conjugate



Overview

Catalog #	75-363-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	62-3G1
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	Bovine, Chicken, Human, Mouse, and Rat
Immunogen	Fraction of bovine brain GABA-A receptor affinity purified against immobilized benzodiazepine Ro7-1986/1 (1988 de Blas et al J Neurosci PMID 2828565, 1988 Vitorica et al J Neurosci PMID 2828566). Target initially identified as a GABA-A receptor by: 1). ra
Molecular Weight	55 kDa
Cite this Antibody	Antibodies Inc Cat# 75-363-FL490, RRID: AB_2940216

Details

Target Description	GABA A receptors are members of the Cys-loop family of ligand-gated ion channels. GABA AR-beta2/3 a 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 beta2/3 has been found to be expressed in brain at the cell junction, synapse, postsynaptic cell membrane and cytoplasmic vesicle membrane.
Specificity	Cross-reacts with GABA-A-R-Beta2 Does not cross-react with GABA-A-RBeta1
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.

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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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