

Product Datasheet

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



Overview

Catalog #	75-171-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG2a
Clone Number	N151/3
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
Species Reactivity	Mouse and Rat
Immunogen	Synthetic peptide amino acids 15-34 (CTQPHHGARAMNDIGDYVGS, extracellular N-terminus) of rat GABA-A-R-Delta (accession number P18506)
Molecular Weight	55 kDa
Cite this Antibody	Antibodies Inc Cat# 75-171-FL490, RRID: AB_2939628

Details

Target Description	Gamma-aminobutyric acid receptor subunit delta or Delta GABA-A receptor is encoded by the gene GABRD. GABAA receptors are members of the Cys-loop family of ligand-gated ion channels. GABA AR delta 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 delta is highly expressed in brain at the cell junction, synapse, postsynaptic cell membrane and cytoplasmic vesicle membrane. Mutations in this gene have been associated with susceptibility to generalized epilepsy with febrile seizures.
Specificity	No cross-reactivity reported
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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