

Product Datasheet

Anti-GABA-B-R2 Antibody FL490 Conjugate



Overview

Catalog #	75-124-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	N81/2
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 and Mouse
Immunogen	Fusion protein amino acids 861-912 of rat GABABR2 (accession number NP_113990) produced recombinantly in E. Coli
Molecular Weight	105 kDa
Cite this Antibody	Antibodies Inc Cat# 75-124-FL490, RRID: AB_2939460

Details

Target Description	Gamma-aminobutyric acid type B receptor subunit 2 or GABA BR2 is encoded by the gene GABBR2. GABA BR2 is a subunit of the G-protein coupled receptor for the neurotransmitter GABA (gamma-aminobutyric acid). It will inhibit neuronal activity through G protein-coupled second-messenger systems, which regulate the release of neurotransmitters and the activity of ion channels and adenylyl cyclase. GABA BR2 is highly expressed in brain, especially in cerebral cortex, thalamus, hippocampus at the cell junction, synapse, the postsynaptic cell membrane and cytoplasmic vesicle membrane. It is weakly expressed in heart, testis and skeletal muscle. Diseases associated with GABBR2 include Neurodevelopmental Disorder With Poor Language And Loss Of Hand Skills, Rett syndrome- and Early Infantile Epileptic Encephalopathy 59.
Specificity	No cross-reactivity against GABABR1
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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