

Product Datasheet

Anti-GABA-B-R1 Antibody FL594 Conjugate



Overview

Catalog #	75-183-FL594
Conjugate	FL594 Ex: 594 nm, Em: 615 nm
Isotype	IgG1
Clone Number	N93A/49
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	Chicken, Human, Mouse, Rabbit, and Rat
Immunogen	Fusion protein amino acids 873-977 (cytoplasmic C-terminus) of rat GABABR1 (accession number Q9Z0U4) produced recombinantly in E. Coli
Molecular Weight	115 kDa
Cite this Antibody	Antibodies Inc Cat# 75-183-FL594, RRID: AB_2939678

Details

Target Description	Gamma-aminobutyric acid type B receptor subunit 1 or GABA BR1 is encoded by the gene GABBR1. GABA BR1 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 BR1 is highly expressed in many tissues including eye, atrium, ventricle, lung and colon. In brain, wide expression is seen with high levels in the cerebral cortical layers and hippocampus. Cellularly, it is found at the cell junction, synapse, the postsynaptic cell membrane and cytoplasmic vesicle membrane. Diseases associated with GABBR1 include Temporal Lobe Epilepsy and Persistent Vegetative State.
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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