

Product Datasheet

Anti-GABA-A-R-Alpha4 Antibody FL594 Conjugate



Overview

Catalog #	75-383-FL594
Conjugate	FL594 Ex: 594 nm, Em: 615 nm
Isotype	IgG1
Clone Number	N398A/34
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 410-450 (cytoplasmic C-terminus) of rat GABA-A-R-Alpha4 (accession number P28471) produced recombinantly in E. Coli
Molecular Weight	60 kDa
Cite this Antibody	Antibodies Inc Cat# 75-383-FL594, RRID: AB_2940270

Details

Target Description	Gamma-aminobutyric acid receptor subunit alpha-4 or GABA AR alpha4 is encoded by the gene GABRA4. GABAA receptors are members of the Cys-loop family of ligand-gated ion channels. GABA AR alpha 4 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 alpha 4 has been found to be expressed in skeletal muscle tissue, adult mammalian kidney, heart and primarily in brain at the cell junction, synapse, and the postsynaptic cell membrane. Disorders involving the GABRA4 gene include autism, Status Epilepticus and restless legs syndrome.
Specificity	Does not cross-react with other GABA-A receptor Alpha subunits
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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