

## Product Datasheet

## Anti-GABA-A-R-Alpha2 Antibody FL594 Conjugate



## Overview

<b>Catalog #</b>	75-384-FL594
<b>Conjugate</b>	FL594 Ex: 594 nm, Em: 615 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N399/19
<b>Size</b>	200 µL
<b>Concentration</b>	0.5 mg/mL
<b>Host Species</b>	Mouse Monoclonal
<b>Format</b>	Purified by Protein A chromatography
<b>Buffer</b>	PBS with 0.09% azide
<b>Applications</b>	ICC, IHC
<b>Species Reactivity</b>	Mouse and Rat
<b>Immunogen</b>	Fusion protein amino acids 350-385 (cytoplasmic C-terminus) of rat GABA-A-R-Alpha2 (accession number P23576) produced recombinantly in E. Coli
<b>Molecular Weight</b>	55 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-384-FL594, RRID: AB_2940274

## Details

<b>Target Description</b>	Gamma-aminobutyric acid receptor subunit alpha-2 or GABA AR-Alpha2 is encoded by the gene GABRA2. GABAA receptors are members of the Cys-loop family of ligand-gated ion channels. GABA AR alpha 5 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-Alpha2 is primarily expressed in brain at the cell junction, synapse, and the postsynaptic cell membrane. Diseases associated with GABRA2 include Alcohol Dependence and Alcohol Use Disorder.
<b>Specificity</b>	Does not cross-react with GABA-A-R-Alpha1
<b>Purification Method</b>	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.
<b>Quality Control Tests</b>	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**

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