

## Product Datasheet

## Anti-GABA-B-R2 Antibody FL594 Conjugate



## Overview

<b>Catalog #</b>	75-124-FL594
<b>Conjugate</b>	FL594 Ex: 594 nm, Em: 615 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N81/2
<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>	Human and Mouse
<b>Immunogen</b>	Fusion protein amino acids 861-912 of rat GABABR2 (accession number NP_113990) produced recombinantly in E. Coli
<b>Molecular Weight</b>	105 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-124-FL594, RRID: AB_2939462

## Details

<b>Target Description</b>	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.
<b>Specificity</b>	No cross-reactivity against GABABR1
<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.

**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**

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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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