

## Product Datasheet

## Anti-GABA-A-R, Alpha1 Antibody FL490 Conjugate



## Overview

<b>Catalog #</b>	75-136-FL490
<b>Conjugate</b>	FL490 Ex: 491 nm, Em: 515 nm
<b>Isotype</b>	IgG2a
<b>Clone Number</b>	N95/35
<b>Size</b>	200 $\mu$ L
<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, Mouse, Rat, and Xenopus
<b>Immunogen</b>	Fusion protein amino acids 355-394 of mouse GABA-AR-Alpha1 (accession number P62812) produced recombinantly in E. Coli
<b>Molecular Weight</b>	55 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-136-FL490, RRID: AB_2939504

## Details

<b>Target Description</b>	GABA(A)R, Alpha1 (Gamma-aminobutyric acid receptor subunit alpha-1) makes up two of the five subunits in the membrane bound GABA A receptor, the others being two $\beta$ 2 subunits and a single $\gamma$ 2 subunit. The receptor is a ligand gated chloride ion channel found postsynaptically and binds GABA, the major inhibitory neurotransmitter in the CNS. Mutations in GABA(A)R, Alpha1 have been linked to several types of epilepsy.
<b>Specificity</b>	No cross-reactivity against GABA-A-R-Alpha2 or -Alpha3
<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.
<b>Storage</b>	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.

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