

## Product Datasheet

## Anti-GABA-A-R-Epsilon Antibody FL490 Conjugate



## Overview

<b>Catalog #</b>	75-398-FL490
<b>Conjugate</b>	FL490 Ex: 491 nm, Em: 515 nm
<b>Isotype</b>	IgG2a
<b>Clone Number</b>	N413/67
<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 Rat
<b>Immunogen</b>	Fusion protein amino acids 27-253 (extracellular N-terminus) of human GABA-A receptor Epsilon (accession number P78334) produced recombinantly in E. Coli
<b>Molecular Weight</b>	60 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-398-FL490, RRID: AB_2940312

## Details

<b>Target Description</b>	Gamma-aminobutyric acid receptor subunit epsilon or GABA AR epsilon is encoded by the gene GABRE. GABA A receptors are members of the Cys-loop family of ligand-gated ion channels. GABA AR epsilon 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 epsilon is found expressed in many tissues including adult heart, placenta and adult brain. In brain, GABA AR epsilon is expressed at the cell junction, synapse, postsynaptic cell membrane and cytoplasmic vesicle membrane.
<b>Specificity</b>	No cross-reactivity reported
<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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