

## Product Datasheet

## Anti-GABA-A-R-Beta2/3 Antibody FL550 Conjugate



## Overview

<b>Catalog #</b>	75-363-FL550
<b>Conjugate</b>	FL550 Ex: 550 nm, Em: 575 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	62-3G1
<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>	Bovine, Chicken, Human, Mouse, and Rat
<b>Immunogen</b>	Fraction of bovine brain GABA-A receptor affinity purified against immobilized benzodiazepine Ro7-1986/1 (1988 de Blas et al J Neurosci PMID 2828565, 1988 Vitorica et al J Neurosci PMID 2828566). Target initially identified as a GABA-A receptor by: 1). ra
<b>Molecular Weight</b>	55 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-363-FL550, RRID: AB_2940217

## Details

<b>Target Description</b>	GABA A receptors are members of the Cys-loop family of ligand-gated ion channels. GABA AR-beta2/3 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 beta2/3 has been found to be expressed in brain at the cell junction, synapse, postsynaptic cell membrane and cytoplasmic vesicle membrane.
<b>Specificity</b>	Cross-reacts with GABA-A-R-Beta2 Does not cross-react with GABA-A-RBeta1
<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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