

Anti-GABA-A-R-Beta2/3 Antibody FL490 Conjugate



Product Details

Available Variants	200 µL (SKU:75-363-FL490)
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone	62-3G1
Gene Name	GABRB3
Host Species	Mouse
Concentration	Lot dependent: provided at 0.3-0.5 mg/mL
Format	Purified by Protein A chromatography
Physical State	Liquid
Buffer	PBS with 0.09% azide
Production Notes	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.
Applications	ICC, IHC
Species Reactivity	Bovine, Chicken, Human, Mouse, Rat
Immunogen	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). rat brain immunocytochemistry staining pattern via light microscopy identical to that seen via ligand autoradiography with 3H-muscimol; 2). immunoprecipitation of 3H-muscimol-binding activity of the purified receptor complex; 3). recognition of ~57 kDa protein in immunoblots against crude rat brain membrane fractions Binding epitope identified to be within amino acids 26-40 (QSVNDPGNMSFVKET, extracellular N-terminus, 1992 Ewert et al Brain Res, PMID 1377081) of human GABA-A-R-Beta3 (also

known as Gamma-aminobutyric acid receptor subunit beta-3, accession number P28472)

Specificity	Cross-reacts with GABA-A-R-Beta2 Does not cross-react with GABA-A-RBeta1
Molecular Weight	55 kDa
Quality Control	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.
Antibody Registry ID	AB_2940216
UniProt ID	<u>P28472</u>
Country of Origin	United States
Shipping	Shipped on ice packs
Expiration	12 months from date of receipt
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.

Product Images



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