

Product Datasheet

Anti-GABA-A-R-Pi Antibody FL550 Conjugate



Overview

Catalog #	75-419-FL550
Conjugate	FL550 Ex: 550 nm, Em: 575 nm
Isotype	IgG2a
Clone Number	N431/64
Size	200 µL
Concentration	0.5 mg/mL
Host Species	Mouse Monoclonal
Format	Purified by Protein A chromatography
Buffer	PBS with 0.09% azide
Applications	ICC, IHC
Species Reactivity	Human and Rat
Immunogen	Fusion protein amino acids 22-242 (extracellular N-terminus) of human GABA-A receptor Pi (accession number O00591) produced recombinantly in E. Coli
Molecular Weight	45 kDa
Cite this Antibody	Antibodies Inc Cat# 75-419-FL550, RRID: AB_2940393

Details

Target Description	Gamma-aminobutyric acid receptor subunit pi or GABA AR Pi is encoded by the gene GABRP. GABA A receptors are members of the Cys-loop family of ligand-gated ion channels. GABA AR pi 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 Pi has been found in tissues including the uterus, ovaries lung, thymus and prostate.
Specificity	Does not cross-react with GABAARDelta
Purification Method	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 on cells overexpressing target protein and confirmed to give the expected staining pattern.

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.

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