

Product Datasheet

Anti-Gamma-Protocadherin-A3 Antibody FL550 Conjugate



Overview

Catalog #	75-177-FL550
Conjugate	FL550 Ex: 550 nm, Em: 575 nm
Isotype	IgG1
Clone Number	N144/17
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
Species Reactivity	Mouse
Immunogen	Fusion protein amino acids 720-804 (variable cytoplasmic domain) of mouse Gamma-protocadherin-A3 (accession number Q91XY5) produced recombinantly in E. Coli
Molecular Weight	100 kDa
Cite this Antibody	Antibodies Inc Cat# 75-177-FL550, RRID: AB_2939653

Details

Target Description	Protocadherin gamma A3 is encoded by the gene Pcdhga3. Gamma-protocadherins belong to a superfamily of homophilic cell-adhesion proteins. These cell adhesion proteins are thought to be involved in establishing and function of cell-cell connections in brain. Gamma-Protocadherin-A3 is a type I transmembrane receptor and is a calcium-dependent cell-adhesion protein. Gamma-Protocadherin-A3 plays a role in the establishment and maintenance of specific neuronal connections in the brain. Gamma-Protocadherin-A3 is expressed in the central nervous system where it localizes to synapses. Diseases associated with this gene include Pineal Gland Cancer.
Specificity	No cross-reactivity against other Gamma-protocadherin-A, -B or -C proteins
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.

Our Guarantee

As an original manufacturer, we are dedicated to creating quality and reproducible antibodies that further your research. We provide personalized customer support from the scientists that made the antibody and offer a free replacement or 100% refund if we cannot resolve an issue. Order today and experience our 50+ year passion for science.

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