

Product Datasheet

Anti-Neurexin-1-Beta (Staining) Antibody FL594 Conjugate



Overview

Catalog #	75-216-FL594
Conjugate	FL594 Ex: 594 nm, Em: 615 nm
Isotype	IgG1
Clone Number	N170A/1
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	Human and Mouse
Immunogen	Synthetic peptide amino acids 47-64 (ASSLGAHHIHHFHGSSKH, extracellular N-terminus) of rat Neurexin-1-Beta (accession number Q63373)
Molecular Weight	50 kDa
Cite this Antibody	Antibodies Inc Cat# 75-216-FL594, RRID: AB_2939802

Details

Target Description	Neurexin-1Beta is a member of the neurexin family. Neurexin-1Beta is a membrane bound receptor and binds neuroligins and forms complexes at neuronal synapses in the central nervous system. Binding partners for Neurexin 1beta include CASK, Neuroligins 1-3 and DAG1. Neurexin-1Beta serves as a presynaptic marker and plays an important role in assembling presynaptic and postsynaptic machinery. This protein may be involved in cell recognition and cell adhesion by forming intracellular junctions through binding to neuroligins and possibly plays a role in synaptic junctions formation or maintenance.
Specificity	Does not cross-react with Neurexin-2-Beta
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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