

Product Datasheet

Anti-Synaptotagmin-3 Antibody FL594 Conjugate



Overview

Catalog #	75-269-FL594
Conjugate	FL594 Ex: 594 nm, Em: 615 nm
Isotype	IgG1
Clone Number	N278/19
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, Mouse, and Rat
Immunogen	Fusion protein amino acids 442-533 (cytoplasmic C2B domain) of mouse Synaptotagmin-3 (accession number O35681) produced recombinantly in E. Coli
Molecular Weight	75 kDa
Cite this Antibody	Antibodies Inc Cat# 75-269-FL594, RRID: AB_2939966

Details

Target Description	Synaptotagmins are a family of calcium sensing, membrane trafficking proteins. 17 different synaptotagmins have been identified in mammals. Synaptotagmin 3 is predominantly expressed in postsynaptic endocytic zones of neurons and has recently been shown to internalize AMPA receptors to depress synaptic strength and promote forgetting (Awasthi A. et al., 2019).
Specificity	Does not cross-react with other Synaptotagmins
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 by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.
Storage	Aliquot and store at ≤ -20°C for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to removing the cap.

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