

Product Datasheet

Anti-Synaptotagmin-7 Antibody FL550 Conjugate



Overview

Catalog #	75-265-FL550
Conjugate	FL550 Ex: 550 nm, Em: 575 nm
Isotype	IgG2b
Clone Number	N275/14
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	Mouse and Rat
Immunogen	Fusion protein amino acids 150-239 (cytoplasmic C2A domain) of mouse Synaptotagmin-7 (accession number Q9R0N7) produced recombinantly in E. Coli
Molecular Weight	45 kDa (plus others)
Cite this Antibody	Antibodies Inc Cat# 75-265-FL550, RRID: AB_2939953

Details

Target Description	Synaptotagmins are a family of calcium sensing, membrane trafficking proteins. 17 different synaptotagmins have been identified in mammals. Synaptotagmin 7 is highly, ubiquitously expressed in the brain and was originally identified as a Ca ²⁺ sensor for lysosomal exocytosis, but has since been demonstrated to play roles in secretion from many different cell types (MacDougall DD, et al., 2018)
Specificity	Does not cross-react with Synaptotagmin-6 (or 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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