

Product Datasheet

Anti-Synaptotagmin-3 Antibody FL490 Conjugate



Overview

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| Catalog # | 75-269-FL490 |
| Conjugate | FL490 Ex: 491 nm, Em: 515 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-FL490, RRID: AB_2939964 |

Details

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| 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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