

Product Datasheet

Anti-SAP102 Antibody FL490 Conjugate



Overview

Catalog #	75-058-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	N19/2
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, Rabbit, and Rat
Immunogen	Fusion protein amino acids 1-120 of rat SAP102 (accession number Q62936) produced recombinantly in E. Coli
Molecular Weight	105 kDa
Cite this Antibody	Antibodies Inc Cat# 75-058-FL490, RRID: AB_2939252

Details

Target Description	Synapse-Associated Protein 102, Disks large homolog 3(DLG3) or SAP102 MAGUK scaffold protein is encoded by the gene DLG3. SAP102 is a member of the MAGUK (membrane-associated guanylate kinase) protein family. SAP102 can bind to a number of adhesion molecules and receptors, including NMDA receptors and acts as a scaffold protein to mediate synaptic signaling. This protein plays a role in learning and memory and appears to be required for learning. Mutations in this gene have been associated with X-linked cognitive disability.
Specificity	No cross-reactivity against other MAGUK family members PSD-95, SAP97, Chapsyn-110
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 $\leq -20^{\circ}\text{C}$ 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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