

Product Datasheet

Anti-SAP97 Antibody FL490 Conjugate



Overview

Catalog #	75-030-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	K64/15
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 1-104 (N-terminus) of rat SAP97 (accession number Q62696) produced recombinantly in E. Coli
Molecular Weight	130 kDa
Cite this Antibody	Antibodies Inc Cat# 75-030-FL490, RRID: AB_2939176

Details

Target Description	Synapse-associated protein 97, Discs Large MAGUK Scaffold Protein 1 or SAP97 is encoded by the gene DLG1. SAP97 is a member of the MAGUK (membrane-associated guanylate kinase) protein family. It is a multi-domain scaffolding protein which serves to recruit receptors channels and other signaling molecules to the plasma membrane. SAP97 is expressed in heart, lung, epithelial cells and brain. SAP97 may have a role in septate junction formation, signal transduction, cell proliferation, synaptogenesis and lymphocyte activation. Diseases associated with DLG1 include Mayer-Rokitansky-Kuster-Hauser Syndrome and Depression.
Specificity	No cross-reactivity against PSD-95, Chapsyn-110 and SAP102 expressed in transfected cells
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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