

Product Datasheet

Anti-Pan-MAGUK Antibody FL594 Conjugate



Overview

Catalog #	75-029-FL594
Conjugate	FL594 Ex: 594 nm, Em: 615 nm
Isotype	IgG1
Clone Number	K28/86
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, Rat, Xenopus, and Zebrafish
Immunogen	Fusion protein amino acids 77-299 of human PSD-95/SAP90 produced recombinantly in E. Coli
Molecular Weight	95-110 kDa (varies with cell background due to phosphorylation)
Cite this Antibody	Antibodies Inc Cat# 75-029-FL594, RRID: AB_2939174

Details

Target Description	Membrane-associated guanylate kinases (MAGUKs) are a large family of scaffold proteins that play essential roles in tissue development, cell-cell communication, cell polarity control, and cellular signal transduction. MAGUKs act as key scaffolds in surface complexes containing receptors, adhesion proteins, and various signaling molecules and play key roles in cell-cell intercommunication. The neuronal synapse is a prime example of this, where the MAGUK proteins play a critical role in organizing both pre and post-synaptic proteins into functional assemblies. Major synaptic MAGUK proteins include PSD-95, SAP102, SAP97, PSD-93, CASK, and MAGIs. Together, they play roles in both synaptic development and in synaptic plasticity.
Specificity	Exhibits cross-reactivity against recombinant Chapsyn-110, SAP97 and SAP102
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.

Our Guarantee

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