

## Product Datasheet

## Anti-Pan-MAGUK Antibody FL490 Conjugate



## Overview

<b>Catalog #</b>	75-029-FL490
<b>Conjugate</b>	FL490 Ex: 491 nm, Em: 515 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	K28/86
<b>Size</b>	200 µL
<b>Concentration</b>	0.5 mg/mL
<b>Host Species</b>	Mouse Monoclonal
<b>Format</b>	Purified by Protein A chromatography
<b>Buffer</b>	PBS with 0.09% azide
<b>Applications</b>	ICC, IHC
<b>Species Reactivity</b>	Human, Mouse, Rat, Xenopus, and Zebrafish
<b>Immunogen</b>	Fusion protein amino acids 77-299 of human PSD-95/SAP90 produced recombinantly in E. Coli
<b>Molecular Weight</b>	95-110 kDa (varies with cell background due to phosphorylation)
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-029-FL490, RRID: AB_2939172

## Details

<b>Target Description</b>	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.
<b>Specificity</b>	Exhibits cross-reactivity against recombinant Chapsyn-110, SAP97 and SAP102
<b>Purification Method</b>	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.
<b>Quality Control Tests</b>	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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