

Product Datasheet

Anti-Pan-Shank Antibody FL594 Conjugate



Overview

Catalog #	75-089-FL594
Conjugate	FL594 Ex: 594 nm, Em: 615 nm
Isotype	IgG1
Clone Number	N23B/49
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 84-309 (SH3/PDZ domains) of rat Shank2 (accession number Q9QX74) produced recombinantly in E. Coli
Molecular Weight	160 kDa
Cite this Antibody	Antibodies Inc Cat# 75-089-FL594, RRID: AB_2939342

Details

Target Description	This antibody is a pan antibody that recognizes SH3 and multiple ankyrin repeat domains protein 1 (Shank 1), SH3 and multiple ankyrin repeat domains protein 2 (Shank 2) and SH3 and multiple ankyrin repeat domains protein 3 (Shank3). Shank proteins act as a scaffold protein anchoring and connecting membrane bound receptors and other proteins to the cytoskeleton in neurons to enable cell signaling.
Specificity	Recognizes Shank1, Shank2 and Shank3
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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