

Product Datasheet

Anti-TARPGamma2/Stargazin Antibody FL490 Conjugate



Overview

Catalog #	75-242-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG2a
Clone Number	N245/1
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
Species Reactivity	Mouse and Rat
Immunogen	Fusion protein amino acids 203-323 (cytoplasmic C-terminus) of rat TARPGamma2 (accession number Q71RJ2) produced recombinantly in E. Coli
Molecular Weight	36 kDa
Cite this Antibody	Antibodies Inc Cat# 75-242-FL490, RRID: AB_2939880

Details

Target Description	Voltage-dependent calcium channel gamma-2 subunit, TARPGamma2 or Stargazin is encoded by the gene CACNG2 and is the transmembrane gamma subunit of the L-type calcium channel. Stargazin is involved in regulation and trafficking of the ligand gated ion channel AMPA receptors. It is thought to play a role in learning and memory. Diseases associated with this gene include forms of deafness, Mental Retardation and childhood absence epilepsy.
Specificity	Does not cross-react with TARPGamma3, TARPGamma4 and TARPGamma8
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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