

Product Datasheet

Anti-RGS14 Antibody FL490 Conjugate

NeuroMab



KO Validated

Overview

Catalog #	75-170-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG2a
Clone Number	N133/21
Size	200 μ L
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	Mouse and Rat
Immunogen	Fusion protein amino acids 1-544 (full-length) of rat RGS14 (accession number O08773) produced recombinantly in E. Coli
Molecular Weight	60 kDa
Cite this Antibody	Antibodies Inc Cat# 75-170-FL490, RRID: AB_2939624

Details

Target Description	RGS14 is a member of the RGS family (regulator of G-protein signaling) and is highly expressed in the prefrontal cortex. Hallmark domains of RGS14 include a RGS domain, two Raf-like Ras-binding domains and a GoLoco motif. RGS14 inactivates G protein α subunits. Alterations in this protein have been implicated in Schizophrenia and Alzheimer's disease.
Specificity	Does not react with RGS12
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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