

Product Datasheet

Anti-NGL-2/LRRC4 Antibody FL490 Conjugate



Overview

Catalog #	75-084-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	N50/36
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 550-652 of mouse NGL-2 (accession number AAG60620) produced recombinantly in E. Coli
Molecular Weight	100 kDa
Cite this Antibody	Antibodies Inc Cat# 75-084-FL490, RRID: AB_2939320

Details

Target Description	Leucine Rich Repeat Containing 4 is encoded by the gene LRRC4. LRRC4 is a synaptic adhesion protein that regulates the formation of excitatory synapses through the recruitment of pre and postsynaptic proteins. LRRC4 organizes the lamina pathway-specific differentiation of dendrites, and plays an important role in auditory synaptic responses. LRRC4 is expressed in the brain. LRRC4 is significantly downregulated in primary brain tumors.
Specificity	No cross-reactivity against NGL-1 or NGL-3
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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