

Product Datasheet

Anti-LRP4 (Cytoplasmic) Antibody FL550 Conjugate



Overview

Catalog #	75-182-FL550
Conjugate	FL550 Ex: 550 nm, Em: 575 nm
Isotype	IgG1
Clone Number	N164/6
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 1747-1905 (cytoplasmic C-terminus) of mouse LRP4 (accession number Q8VI56) produced recombinantly in E. Coli
Molecular Weight	215 kDa
Cite this Antibody	Antibodies Inc Cat# 75-182-FL550, RRID: AB_2939673

Details

Target Description	Low-density lipoprotein receptor-related protein 4 or LRP4 is encoded by the gene LRP4. And is a member of the low-density lipoprotein receptor-related protein family. Proteins in this family function in a wide range of physiological processes, including the regulation of lipid metabolism, protection against atherosclerosis, neurodevelopment. LRP4 may be involved in the negative regulation of the canonical Wnt signaling pathway. LRP4 is expressed in bone and several regions of the brain. Mutations in this gene are associated with Cenani-Lenz syndrome.
Specificity	No cross-reactivity reported
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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