

## Product Datasheet

## Anti-LRP4 (Cytoplasmic) Antibody FL490 Conjugate



## Overview

<b>Catalog #</b>	75-182-FL490
<b>Conjugate</b>	FL490 Ex: 491 nm, Em: 515 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N164/6
<b>Size</b>	200 µL
<b>Concentration</b>	0.5 mg/mL
<b>Host Species</b>	Mouse Monoclonal
<b>Format</b>	Purified by Protein A chromatography
<b>Buffer</b>	PBS with 0.09% azide
<b>Applications</b>	ICC
<b>Species Reactivity</b>	Mouse and Rat
<b>Immunogen</b>	Fusion protein amino acids 1747-1905 (cytoplasmic C-terminus) of mouse LRP4 (accession number Q8VI56) produced recombinantly in E. Coli
<b>Molecular Weight</b>	215 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-182-FL490, RRID: AB_2939672

## Details

<b>Target Description</b>	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.
<b>Specificity</b>	No cross-reactivity reported
<b>Purification Method</b>	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.
<b>Quality Control Tests</b>	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.

**Our Guarantee**

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