

Product Datasheet

Anti-Mitofusin-1 Antibody FL490 Conjugate



Overview

Catalog #	75-162-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	N111/24
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
Species Reactivity	Mouse and Rat
Immunogen	Fusion protein amino acids 350-580 of mouse Mitofusin-1 (accession number Q811U4) produced recombinantly in E. Coli
Molecular Weight	80 kDa
Cite this Antibody	Antibodies Inc Cat# 75-162-FL490, RRID: AB_2939600

Details

Target Description	Mitofusin 1, or transmembrane GTPase Mfn1 (MFN1) is a mitochondrial membrane protein with GTPase activity that functions to aid mitochondrial clustering and fusion. It may also play a role in mitochondrial metabolism. It is expressed in the outer membrane of mitochondria in many tissues, including heart and testis. Diseases associated with MFN1 include Optic Atrophy 1 and Autosomal Recessive Spastic Paraplegia .
Specificity	No cross-reactivity against Mitofusin-2
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 on cells overexpressing target protein and confirmed to give the expected staining pattern.
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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