

Product Datasheet

Anti-Mitofusin-2 Antibody FL490 Conjugate



Overview

Catalog #	75-173-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG2a
Clone Number	N153/5
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, IHC
Species Reactivity	Mouse and Rat
Immunogen	Fusion protein amino acids 370-600 (cytoplasmic N-terminus) of mouse Mitofusin-2 (accession number Q80U63) produced recombinantly in E. Coli
Molecular Weight	90 kDa
Cite this Antibody	Antibodies Inc Cat# 75-173-FL490, RRID: AB_2939636

Details

Target Description	Mitofusin 2, or transmembrane GTPase Mfn2 (MFN2) 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. MFN2 is expressed in many tissues including the heart, skeletal muscle, tongue, and brain. Mutations in this gene cause Charcot-Marie-Tooth disease type 2A2, and hereditary motor and sensory neuropathy VI,
Specificity	No cross-reactivity against Mitofusin-1
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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