

Product Datasheet

Anti-Laforin Antibody FL490 Conjugate



Overview

Catalog #	75-222-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	N84/37
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	Human
Immunogen	Fusion protein amino acids 1-331 (full-length) of human Laforin (accession number O095278) produced recombinantly in E. Coli
Molecular Weight	40 kDa
Cite this Antibody	Antibodies Inc Cat# 75-222-FL490, RRID: AB_2939816

Details

Target Description	Epilepsy, Progressive Myoclonus Type 2A, Lafora Disease (Laforin) is encoded by the gene EPM2A. EPM2A is a member of the protein-tyrosine phosphatase family. EPM2A is a dual-specificity phosphatase that acts on complex carbohydrates to prevent glycogen hyperphosphorylation and the formation of insoluble aggregates. EPM2A promotes the ubiquitination of proteins involved in glycogen metabolism via its interactions with the E3 ubiquitin ligase NHLRC1/malin. EPM2A is expressed in the heart, skeletal muscle, kidney, pancreas, and the brain. Diseases associated with EPM2A include Myoclonic Epilepsy of Lafora, Myoclonic Epilepsy of Unverricht And Lundborg, and benign epilepsy with centrotemporal spikes.
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 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.

Our Guarantee

As an original manufacturer, we are dedicated to creating quality and reproducible antibodies that further your research. We provide personalized customer support from the scientists that made the antibody and offer a free replacement or 100% refund if we cannot resolve an issue. Order today and experience our 50+ year passion for science.

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