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Product Datasheet

Anti-Copper ATPase 1 (Menke's Disease Protein) Antibody FL490 Conjugate

NeuroMab KO Validated

Overview

Catalog #	75-142-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG2b
Clone Number	L60/4
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, Mouse, and Rat
Immunogen	Synthetic peptide amino acids 42-61 (cytoplasmic N- terminus) of human Copper-transporting ATPase 1 (accession number Q04656)
Molecular Weight	180 kDa in rat brain membrane preparations
Cite this Antibody	Antibodies Inc Cat# 75-142-FL490, RRID: AB_2939524

Details

Target Description	Copper-transporting ATPase 1 or ATPase Copper Transporting Alpha is encoded by the gene ATP7A and belongs to the cation transport ATPase (P-type) family. Copper-transporting ATPase 1 is a transmembrane enzyme that functions to provide copper to copper requiring proteins in the Golgi network and is also to remove excess copper across plasma membranes out of the cell. Copper-transporting ATPase 1 is found in most tissues except liver. Mutations in this gene are associated with Menkes disease, X-linked distal spinal muscular atrophy, and occipital horn 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 on cells overexpressing target protein and confirmed to give the expected staining pattern.

Storage	Aliquot and store at ≤ -20°C for long term storage. For short term storage, store at 2-8°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.