

Product Datasheet

Anti-Copper ATPase 1 (Menke's Disease Protein) Antibody FL550 Conjugate



Overview

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| Catalog # | 75-142-FL550 |
| Conjugate | FL550 Ex: 550 nm, Em: 575 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-FL550, RRID: AB_2939525 |

Details

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| 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 $\leq -20^{\circ}\text{C}$ 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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