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Product Datasheet

Anti-Copper ATPase 2 (Wilson's Disease Protein) Antibody FL550 Conjugate

Overview

Catalog #	75-143-FL550
Conjugate	FL550 Ex: 550 nm, Em: 575 nm
Isotype	IgG1
Clone Number	L62/29
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 3-21 (cytoplasmic N- terminus) of human Copper-transporting ATPase 2 (accession number P35670)
Molecular Weight	160 kDa in rat brain membrane preparations
Cite this Antibody	Antibodies Inc Cat# 75-143-FL550, RRID: AB_2939529

Details

Target Description	Copper-transporting ATPase 2 or Copper-transporting ATPase Beta is encoded by the gene ATP7B and belongs to the cation transport ATPase (P-type) family. Copper-transporting ATPase 2 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 2 is expressed in liver and in lower leves in brain, heart, kidney, placenta and lung. In liver, it is involved in removing copper from hepatocytes into the bile for removal. Diseases associated with this gene include Wilson Disease and Menkes Disease.
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 by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.

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.