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orders@antibodiesinc.com
530-758-4400

PRODUCT DATASHEET

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

NeuroMab KO Validated

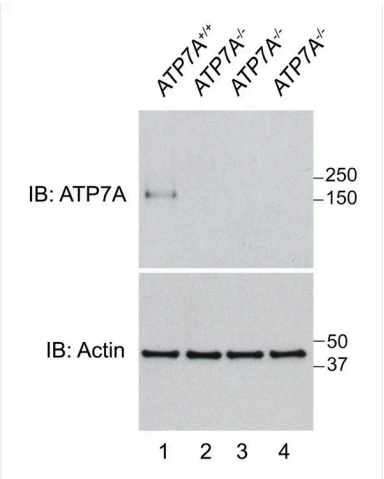
Product Details

Available Variants	100 µL (SKU:75-142)
Conjugate	Unconjugated
Isotype	IgG2b
Clone	L60/4
Gene Name	ATP7A MC1 MNK
Host Species	Mouse
Concentration	1 mg/mL
Format	Purified by Protein A chromatography
Physical State	Liquid
Buffer	10 mM Tris, 50 mM Sodium Chloride, 0.065% Sodium Azide pH 7.68
Production Notes	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography. Purified mAbs are >90% specific antibody.
Applications	ELISA, ICC, IHC, IP, WB
Species Reactivity	Human, Mouse, Rat
Immunogen	Synthetic peptide amino acids 42-61 (cytoplasmic N- terminus) of human Copper-transporting ATPase 1 (accession number Q04656)
Specificity	No cross-reactivity reported
Molecular Weight	180 kDa in rat brain membrane preparations
Quality Control	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.
Antibody Registry ID	AB_2062824
UniProt ID	Q04656
Country of Origin	United States
Shipping	Shipped on ice packs
Expiration	24 months from date of receipt
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.

Product Images

Adult rat hippocampus immunohistochemistry.



Immunoblot of lysates from human skin fibroblasts from an ATP7A wild-type individual (ATP7A+/+, Lane 1) and three individuals with ATP7A null mutations (ATP7A-/-, Lanes 2-4) probed with L60/4 (top) and actin (bottom). Data courtesy of Stephanie Zlatic and Victor Faundez (Emory University). See reference 2017 Comstra et al., eLife (PMID 28355134) for further detail.