

AB-NN215-1

Copper Transporting ATPase 1 (ATP7A) Antibody

Pan-specific monoclonal antibody (S60-4) for monitoring the expression of human Copper Transporting ATPase 1



KINEXUS

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Target Protein

Name Long:	Copper-transporting ATPase 1
Alias:	ATP7A, ATP 7A, ATPase Cu transporting, DSMAX, FLJ17790, MC1, MC 1, MK, MNK, OHS, Copper pump 1, Menke, SMAX3, ATPase copper transporting alpha polypeptide, ATPase Cu ⁺⁺ transporting alpha polypeptide (Menkes syndrome), Copper transporting ATPase 1, Cu ⁺⁺ transporting P type ATPase
UniProt ID:	Q04656 - Human
Human Predicted Mass (kDa):	172.078 (1581 AA; Q04656-3); 165.110 (1514 AA; Q04656-2); 163.374 (1500 AA; Q04656-1); 154.357 (1422 AA; Q04656-5); 54.318 (503 AA; Q04656-4); 11.522 (103 AA; Q04656-6)
Observed SDS-PAGE Mass (kDa):	180

Immunogen

Antibody Immunogen Source:	Synthetic peptide amino acids 42-61 (cytoplasmic C-terminus) of human Copper- transporting ATPase1
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Production

Antibody Host Species:	Mouse
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	IgG2b
Antibody Purification:	Protein G purified
Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	15DE1
Storage Buffer:	Phosphate buffered saline pH 7.4, 50% glycerol, 0.09% sodium azide
Storage Conditions and Stability:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

Applications

Product Use:	WB IHC IP
Antibody Dilution Recommended:	WB (1:1000); optimal dilutions for assays should be determined by the user.
Antibody Species Reactivity:	Human Mouse Rat
Antibody Positive Control:	1 µg/ml of SMC-398 was sufficient for detection of Copper-transporting ATPase1 in 20 µg of rat brain lysate by colorimetric immunoblot analysis using Goat IgG:HRP as the secondary antibody.
Target Detection Immunoblotting:	In mouse brain lysates, this antibody detects a ~180 kDa protein in rat brain membrane preparations.
Antibody Specificity:	Very High
Antibody Cross Reactivities:	One cross-reactive protein at ~39 kDa in mouse brain lysates.

This product is for in vitro research use only and is not intended for use in humans or animals.

For more information on our products please visit www.kinexusproducts.ca or contact us at 1-888-546-3987