

KD-Validated Anti-ATP7B Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1370

Product Information

Application	WB, FC, ICC
Primary Accession	P35670
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB3945
Calculated MW	157263
Gene Name	ATP7B
Aliases	ATP7B; ATPase Copper Transporting Beta; Copper-Transporting ATPase 2; Copper Pump 2; WND; ATPase, Cu ⁺⁺ Transporting, Beta Polypeptide; Wilson Disease-Associated Protein; PWD; WC1; ATPase, Cu ⁺⁺ Transporting, Beta Polypeptide (Wilson Disease); ATPase, Cu(2+)- Transporting, Beta Polypeptide; Copper-Transporting Protein ATP7B; Wilson Disease; EC 7.2.2.8; EC 3.6.3.4; EC 3.6.3; WD
Immunogen	A synthesized peptide derived from human ATP7b

Additional Information

Gene ID	540
Other Names	Copper-transporting ATPase 2, 7.2.2.8, Copper pump 2, Wilson disease-associated protein, WND/140 kDa, ATP7B, PWD, WC1, WND

Protein Information

Name	ATP7B
Synonyms	PWD, WC1, WND
Function	Copper ion transmembrane transporter involved in the export of copper out of the cells. It is involved in copper homeostasis in the liver, where it ensures the efflux of copper from hepatocytes into the bile in response to copper overload.
Cellular Location	Golgi apparatus, trans-Golgi network membrane; Multi-pass membrane protein. Late endosome Note=Predominantly found in the trans-Golgi network (TGN). Localized in the trans-Golgi network under low copper conditions, redistributes to cytoplasmic vesicles when cells are exposed to elevated copper levels, and then recycles back to the trans-Golgi network when copper is removed (PubMed:10942420). [Isoform 2]: Cytoplasm
Tissue Location	Most abundant in liver and kidney and also found in brain. Isoform 2 is

expressed in brain but not in liver. The cleaved form WND/140 kDa is found in liver cell lines and other tissues

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.