

Anti-ATP7b Rabbit Monoclonal Antibody

Catalog # ABO15873

Specification

Anti-ATP7b Rabbit Monoclonal Antibody - Product Information

Application	WB, IF, ICC, FC
Primary Accession	<u>P35670</u>
Host	Rabbit
lsotype	IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid
Description	
Anti-ATP7b Rabbit Monoclonal Antibody . Tested in WB, ICC/IF, Flow C	

Anti-ATP7b Rabbit Monoclonal Antibody . Tested in WB, ICC/IF, Flow Cytometry applications. This antibody reacts with Human.

Anti-ATP7b Rabbit Monoclonal Antibody - 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

Calculated MW 157 kDa KDa

Application Details WB 1:500-1:2000
ICC/IF 1:50-1:200
FC 1:50

Contents Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen A synthesized peptide derived from human ATP7b

Purification Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-ATP7b Rabbit Monoclonal Antibody - 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

Anti-ATP7b Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

Anti-ATP7b Rabbit Monoclonal Antibody - Images



Western blot analysis of ATP7b expression in HepG2 cell lysate.