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ATP7b Antibody
Rabbit mAb
Catalog # AP92454

Specification

ATP7b Antibody - Product Information

Application	**WB, FC, ICC**
Primary Accession	P35670
Clonality	**Monoclonal**
Other Names	
ATP7B; PWD; WC1; WD; WND; WND/140 kDa;	
Isotype	**Rabbit IgG**
Host	**Rabbit**
Calculated MW	**157263 Da**

ATP7b Antibody - Additional Information

Purification	**Affinity-chromatography**
Immunogen	**A synthesized peptide derived from human ATP7b**
Description	**Involved in the export of copper out of the cells, such as the efflux of hepatic copper into the bile.**
Storage Condition and Buffer	**Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.**

ATP7b 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

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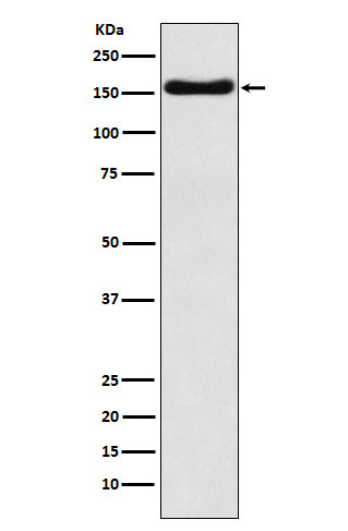
Most abundant in liver and kidney and also found in brain. Isoform 2 is expressed in brain but not in liver. The cleaved form WND/140 kDa is found in liver cell lines and other tissues

ATP7b Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ATP7b Antibody - Images



Western blot analysis of ATP7b expression in HepG2 cell lysate.