

**ATP7b Antibody**  
**Rabbit mAb**  
**Catalog # AP92454****Specification**

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**ATP7b Antibody - Product Information**

Application	WB, FC, ICC
Primary Accession	<a href="#">P35670</a>
Clonality	Monoclonal
<b>Other Names</b>	
ATP7B; PWD; WC1; WD; WND; WND/140 kDa;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	157263 Da

**ATP7b Antibody - Additional Information**

Dilution	WB~~1:1000 FC~~1:10~50 ICC~~N/A
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

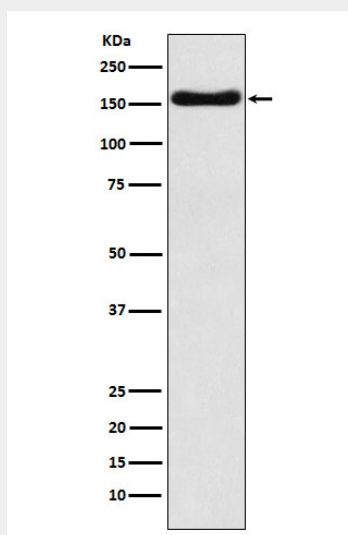
Most abundant in liver and kidney and also found in brain. Isoform 2 is expressed in brain but not in liver. The cleaved form WND/140 kDa is found in liver cell lines and other tissues

#### 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 Cytometry](#)
- [Cell Culture](#)

#### ATP7b Antibody - Images



Western blot analysis of ATP7b expression in HepG2 cell lysate.