

WC1 / ATP7B Antibody (aa161-210)
Rabbit Polyclonal Antibody
Catalog # ALS14691**Specification**

WC1 / ATP7B Antibody (aa161-210) - Product Information

Application	IHC-P, IF, E
Primary Accession	P35670
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	157kDa KDa
Dilution	IHC-P~~N/A IF~~1:50~200 E~~N/A

WC1 / ATP7B Antibody (aa161-210) - Additional Information**Gene ID** 540**Other Names**

Copper-transporting ATPase 2, 3.6.3.54, Copper pump 2, Wilson disease-associated protein, WND/140 kDa, ATP7B, PWD, WC1, WND

Target/Specificity

ATP7B Antibody detects endogenous levels of total ATP7B protein.

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

WC1 / ATP7B Antibody (aa161-210) is for research use only and not for use in diagnostic or therapeutic procedures.

WC1 / ATP7B Antibody (aa161-210) - 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

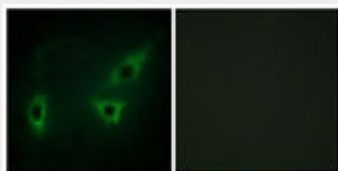
Volume

100 µl

WC1 / ATP7B Antibody (aa161-210) - 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](#)

WC1 / ATP7B Antibody (aa161-210) - Images

Immunofluorescence of HeLa cells, using ATP7B Antibody.

WC1 / ATP7B Antibody (aa161-210) - Background

Involved in the export of copper out of the cells, such as the efflux of hepatic copper into the bile.

WC1 / ATP7B Antibody (aa161-210) - References

Petrukhin K., et al. Hum. Mol. Genet. 3:1647-1656(1994).
Carlini E.J., et al. Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.
Dunham A., et al. Nature 428:522-528(2004).
Oh W.J., et al. Biochem. Biophys. Res. Commun. 259:206-211(1999).
Bull P.C., et al. Nat. Genet. 5:327-337(1993).