10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

WC1 / ATP7B Antibody (aa161-210)

Rabbit Polyclonal Antibody
Catalog # ALS14691

Specification

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

Application	**IF**
Primary Accession	P35670
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**157kDa KDa**

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

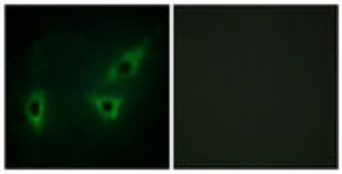
Volume
100 µl

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 Cytomety
- 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).