ELK Biotechnology

ATP7B rabbit pAb

Cat No.:ES6635

For research use only

Overview

Product Name	ATP7B rabbit pAb
Host species	Rabbit
Applications	IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human ATP7B. AA range:161-210
Specificity	ATP7B Polyclonal Antibody detects endogenous levels of ATP7B protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Copper-transporting ATPase 2
Gene Name	ATP7B
Cellular localization	Golgi apparatus, trans-Golgi network membrane ; Multi-pass membrane protein . Late endosome . Predominantly found in the trans-Golgi network (TGN). Localized in the trans-Golgi network under low copper conditions, redistributes to cytoplasmic vesicles whe
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	540
Human Swiss-Prot Number	P35670
Alternative Names	ATP7B; PWD; WC1; WND; Copper-transporting ATPase 2; Copper pump 2; Wilson

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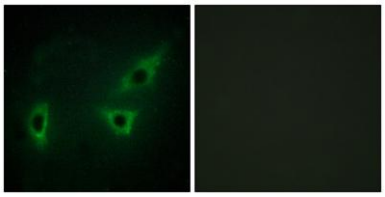
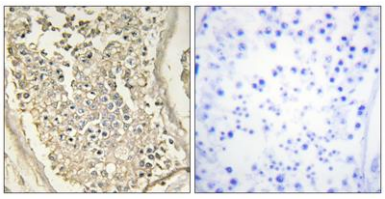
Background

disease-associated protein
This gene is a member of the P-type cation transport ATPase family and encodes a protein with several membrane-spanning domains, an ATPase consensus sequence, a hinge domain, a phosphorylation site, and at least 2 putative copper-binding sites. This protein functions as a monomer, exporting copper out of the cells, such as the efflux of hepatic copper into the bile. Alternate transcriptional splice variants, encoding different isoforms with distinct cellular localizations, have been characterized. Mutations in this gene have been associated with Wilson disease (WD). [provided by RefSeq, Jul 2008],

Immunofluorescence analysis of HeLa cells, using ATP7B Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human testis tissue, using ATP7B Antibody. The picture on the right is blocked with the synthesized peptide.



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