

Rabbit WC1 / ATP7B Polyclonal Antibody | anti-WC1 antibody

Rabbit Polyclonal (IgG) to Human WC1 / ATP7B

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51337	Rabbit	Human, Mouse, Rat	ELISA, Immunofluorescence, Immunohistochemistry

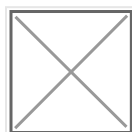
PRODUCT SYNONYMS

WC1 / ATP7B; Polyclonal Antibody; Rabbit Polyclonal (IgG) to Human WC1 / ATP7B; Anti-WC1 / ATP7B Antibody (aa161-210) IHC-plus; ATP7B; Copper-transporting ATPase 2; WC1; Wilson disease; PWD; WD; Copper pump 2; WND; Human WC1; anti-WC1 antibody

PRODUCT SPECIFICATIONS

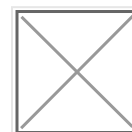
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ATP7B Antibody detects endogenous levels of total ATP7B protein.
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS (without Mg2+, Ca2+), pH 7.4, 150 mM sodium chloride, 0.02% sodium azide, 50% glycerol
Concentration	1 mg/ml (varies by lot)
Sequence Length	1465
Applicable Applications for anti-WC1 antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic peptide from human ATP7B (aa161-210).
Immunogen	WC1 / ATP7B antibody was raised against synthetic peptide from human ATP7B (aa161-210).
Antigen Modification	aa161-210
Preparation and Storage	Short term 4 degree C, long term aliquot and store at -20 degree C, avoid freeze thaw cycles.

IMAGES



IF (Immunofluorescence)

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



IHC (Immunohistochemistry)

Anti-ATP7B antibody IHC of human lung, respiratory epithelium. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-WC1 antibody	ATP7b (ATPase, Cu++ Transporting, Beta Polypeptide), also known as Wilson Disease gene (WND) or mouse toxic milk gene, plays a key role in copper transport. Germ-line mutations in this gene cause so-called Wilson disease, which is characterized by the accumulation of toxic levels of copper in the liver, brain, and kidney resulting in extensive tissue damage and eventual death. ATP7b is expressed in a variety of carcinomas and appears to be associated with chemoresistance to cisplatin.
Product Categories/Family for anti-WC1 antibody	Family: Transporter ; Subfamily: ATPase - P type ; type IB

NCBI AND UNIPROT INFORMATION

NCBI GI #	55743071
NCBI GeneID	540
NCBI Accession #	NP_000044.2
NCBI GenBank Nucleotide #	NM_000053.3
UniProt Accession #	P35670 ; Q16318 ; Q16319 ; Q4U3V3 ; Q59FJ9 ; Q5T7X7
Molecular Weight	155,125 Da
NCBI Official Full Name	copper-transporting ATPase 2 isoform a
NCBI Official Synonym Full Names	ATPase, Cu++ transporting, beta polypeptide
NCBI Official Symbol	ATP7B
NCBI Official Synonym Symbols	WD; PWD; WC1; WND
NCBI Protein Information	copper-transporting ATPase 2; copper pump 2; Wilson disease-associated protein; ATPase, Cu(2+)- transporting, beta polypeptide
UniProt Protein Name	Copper-transporting ATPase 2
UniProt Gene Name	ATP7B
UniProt Synonym Gene Names	PWD; WC1; WND
UniProt Entry Name	ATP7B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/wc1-atp7b-antibody-immunofluorescence-immunohistochemistry-elisa/51337>