

Human Copper transporting ATPase 2 (ATP7B) ELISA Kit | ATP7B elisa kit

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CATALOG #
AAA246308

REACTIVITY
Human

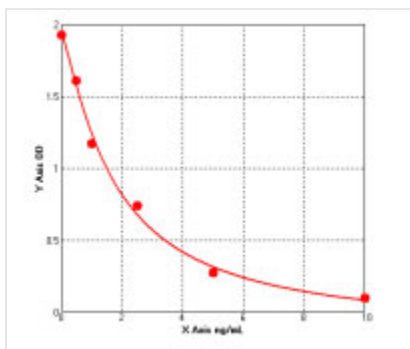
PRODUCT SYNONYMS

Copper transporting ATPase 2 (ATP7B); Human Copper transporting ATPase 2 (ATP7B) ELISA Kit; ATP7B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CTATP2. No significant cross-reactivity or interference between CTATP2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CTATP2 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/ml
Intended Uses	This ATP7B ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ATP7B. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ATP7B elisa kit	Principle of the Assay: CTATP2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CTATP2 antibody and an CTATP2-HRP conjugate. The assay sample and buffer are incubated together with CTATP2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CTATP2 concentration since CTATP2 from samples and CTATP2-HRP conjugate compete for the anti-CTATP2 antibody binding site. Since the number of sites is limited, as more sites are occupied by CTATP2 from the sample, fewer sites are left to bind CTATP2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CTATP2 concentration in each sample is interpolated from this standard curve. Intended Uses: This CTATP2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CTATP2. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for ATP7B elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	55743073
NCBI GeneID	540
NCBI Accession #	NP_001005918.1
NCBI GenBank Nucleotide #	NM_001005918.2
Molecular Weight	155,125 Da
NCBI Official Full Name	copper-transporting ATPase 2 isoform b
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/human-elisa-kits/copper-transporting-atpase-2-atp7b/246308>