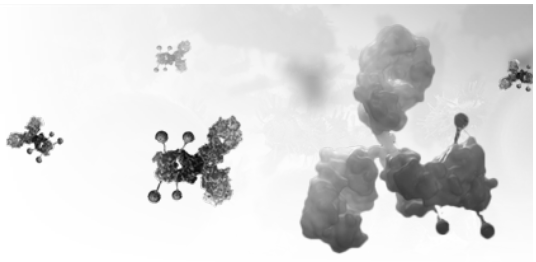

Human ATP7A blocking peptide (CDBP0534)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-ATP7A antibody
Antigen Description	This gene encodes a transmembrane protein that functions in copper transport across membranes. This protein is localized to the trans Golgi network, where it is predicted to supply copper to copper-dependent enzymes in the secretory pathway. It relocalizes to the plasma membrane under conditions of elevated extracellular copper, and functions in the efflux of copper from cells. Mutations in this gene are associated with Menkes disease, X-linked distal spinal muscular atrophy, and occipital horn syndrome. Alternatively-spliced transcript variants have been observed.
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	ATP7A ATPase, Cu++ transporting, alpha polypeptide [Homo sapiens]
Official Symbol	ATP7A
Synonyms	ATP7A; ATPase, Cu++ transporting, alpha polypeptide; Menkes syndrome , MNK; copper-

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	transporting ATPase 1; copper pump 1; Cu++-transporting P-type ATPase; Menkes disease-associated protein; MK; MNK; DSMAX; SMAX3; FLJ17790;
Entrez Gene ID	538
mRNA Refseq	NM_000052
Protein Refseq	NP_000043
UniProt ID	Q04656
Chromosome Location	Xq21.1
Pathway	Ion channel transport, organism-specific biosystem; Ion transport by P-type ATPases, organism-specific biosystem; Mineral absorption, organism-specific biosystem; Mineral absorption, conserved biosystem; Transmembrane transport of small molecules, organism-specific biosystem;
Function	ATP binding; ATP binding; copper ion binding; copper ion binding; copper ion transmembrane transporter activity; copper-dependent protein binding; copper-exporting ATPase activity; copper-transporting ATPase activity; hydrolase activity; metal ion binding

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