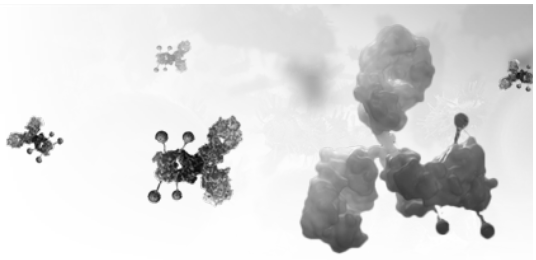

Goat anti-Human ATP7A polyclonal antibody (DPAB-DC2287)

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

PRODUCT INFORMATION

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.
Immunogen	A synthetic peptide corresponding to human ATP7A. The sequence is C-HKNNWNIEDNNIKN
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	ELISA,
Format	Liquid
Concentration	0.5 mg/mL
Size	100 µg
Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Preservative	0.02% Sodium Azide
Storage	Store at -20°C.Aliquot to avoid repeated freezing and thawing.

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GENE INFORMATION

Gene Name	ATP7A ATPase, Cu++ transporting, alpha polypeptide [Homo sapiens (human)]
Official Symbol	ATP7A
Synonyms	ATP7A; ATPase, Cu++ transporting, alpha polypeptide; MK; MNK; DSMAX; SMAX3; copper-transporting ATPase 1; copper pump 1; Cu++-transporting P-type ATPase; Menkes disease-associated protein;
Entrez Gene ID	538
Protein Refseq	NP_000043
UniProt ID	B4DRW0
Chromosome Location	Xq21.1
Pathway	Cellular responses to stress; Ion channel transport; Mineral absorption; Transmembrane transport of small molecules
Function	ATP binding; copper ion binding; copper ion transmembrane transporter activity; copper-dependent protein binding

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