

Product datasheet for **TA334643**

ATP7A Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-ATP7A antibody is: synthetic peptide directed towards the middle region of Human ATP7A. Synthetic peptide located within the following region: MGSAAMAASSVSVLSSLFLKLYRKPTYESYELPARSQIGQKSPSEISVH
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	55 kDa
Gene Name:	ATPase copper transporting alpha
Database Link:	NP_000043 Entrez Gene 538 Human Q04656
Background:	The ATP7A gene encodes the Menkes copper-translocating P-type ATPase, a ubiquitous protein that regulates the absorption of copper in the gastrointestinal tract. Inside cells, this protein has a dual function: it delivers copper to cuproenzymes in the Golgi compartment and effluxes excess copper. The trafficking mechanism and catalytic activity combine to facilitate absorption and intercellular transport of copper. Menkes disease, a systemic copper deficiency disorder, is caused by mutations in the ATP7A gene.



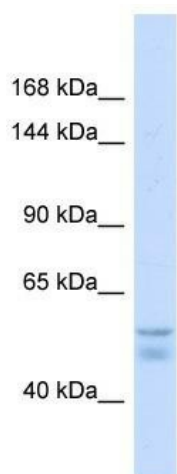
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Synonyms: DSMAX; MK; MNK; SMAX3

Note: Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Human: 100%; Mouse: 100%; Sheep: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%; Horse: 93%; Yeast: 93%; Zebrafish: 92%

Protein Families: Druggable Genome, Transmembrane

Product images:



Host: Rabbit; Target Name: ATP7A; Sample Tissue: Fetal Liver lysates; Antibody Dilution: 1.0 ug/ml