

## Product datasheet for **TA334272**

### 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: synthetic peptide directed towards the N terminal of human ATP7A. Synthetic peptide located within the following region: MKKQIEAMGFPAFVKKQPKYLKLG AIDVERLKNTPVKSSEGSQQRSPSYQ
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	30 kDa
Gene Name:	ATPase copper transporting alpha
Database Link:	<a href="#">NP_000043</a> <a href="#">Entrez Gene 538 Human</a> <a href="#">Q04656</a>
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.
Synonyms:	DSMAX; MK; MNK; SMAX3

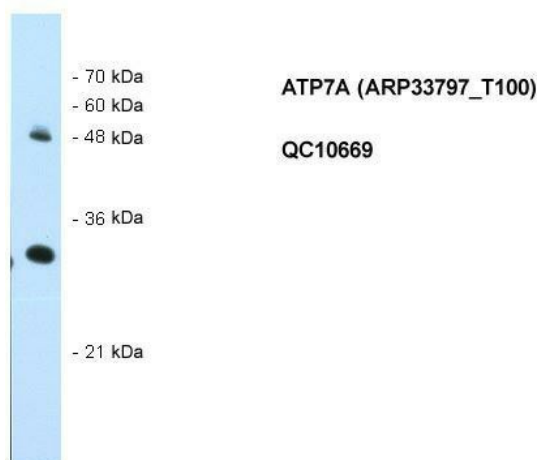


[View online »](#)

**Note:** Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Sheep: 100%; Bovine: 93%

**Protein Families:** Druggable Genome, Transmembrane

### Product images:



WB Suggested Anti-ATP7A Antibody Titration: 0.5 ug/ml; Positive Control: HepG2 cell lysate