

Rabbit ATP7A Polyclonal Antibody | anti-ATP7A antibody

ATP7A antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197661	Rabbit	Cow, Dog, Horse, Human, Mouse, Pig, Rat, Sheep	Western Blot

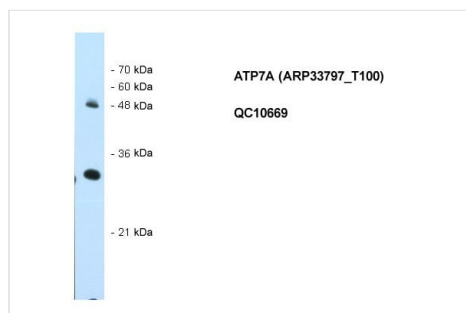
PRODUCT SYNONYMS

ATP7A; Polyclonal Antibody; ATP7A antibody - N-terminal region; anti-ATP7A antibody

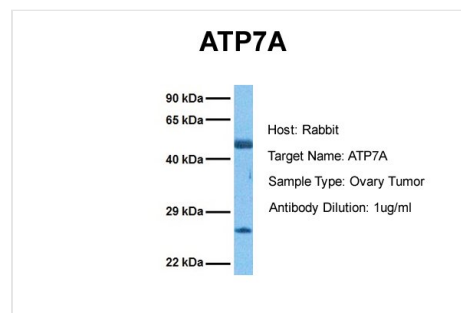
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Horse, Human, Mouse, Pig, Rat, Sheep
Clonality	Polyclonal
Specificity	The immunizing peptide used to raise this antibody is 100% homologous to isoform 3 (503aa 54.3kDa), 1 (1514aa, 165kDa), 2 (1581aa, 172kDa) and 5 (1422aa, 154kDa) of human ATP7A.
Purity/Purification	Protein A purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide located within the following region: MK KQIEAMGFPA FVKKQPKYLK LGAIDVERLK NTPVKSSEGS QQRSPSYQ
Sequence Length	1500
Applicable Applications for anti-ATP7A antibody	WB (Western Blot)
Homology	Cow: 93%; Dog: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rat: 100%; Sheep: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human ATP7A
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

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


WB (Western Blot)

Host: Rabbit Target Name: ATP7A Sample Tissue: Human Ovary Tumor Antibody Dilution: 1.0ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-ATP7A antibody	This is a rabbit polyclonal antibody against ATP7A. It was validated on Western Blot using a cell lysate as a positive control. Target Description: 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.
Product Categories/Family for anti-ATP7A antibody	Polyclonal; Drugs and Drug Metabolism; E3 & Ubiquitin; Disease Related; Phosphorylation; Cell Differentiation

NCBI AND UNIPROT INFORMATION

NCBI GI #	115529486
NCBI GeneID	538
NCBI Accession #	NP_000043
NCBI GenBank Nucleotide #	NM_000052.5
UniProt Accession #	Q04656
Molecular Weight	163kDa
NCBI Official Full Name	copper-transporting ATPase 1
NCBI Official Synonym Full Names	ATPase copper transporting alpha
NCBI Official Symbol	ATP7A
NCBI Official Synonym Symbols	MK; MNK; DSMAX; SMAX3
NCBI Protein Information	copper-transporting ATPase 1
UniProt Protein Name	Copper-transporting ATPase 1
UniProt Gene Name	ATP7A
UniProt Synonym Gene Names	MC1; MNK
UniProt Entry Name	ATP7A_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.