

## Goat anti-ATP7A Antibody

Item Number	dAP-1419
Target Molecule	Principle Name: ATP7A; Official Symbol: ATP7A ; All Names and Symbols: ATP7A ; RP3-465G10.1; MK; MNK; Cu2plus-transporting P-type ATPase; Menkes disease-associated protein; OTTHUHMP00000062077; copper pump 1; copper-transporting ATPase 1; Accession Number (s): NP_000043.3; Human Gene ID(s): 538; Non-Human GenelD(s):
Immunogen	HKNNWNIEDNNIKN, is from internal region
Applications	Pep ELISA Species Tested:
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 8000.
Western Blot	Western Blot: Preliminary experiments gave an approx 55kDa band in Human Colon lysates after 0.3µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 163kD
IHC	
Reference	Reference(s): Schlief ML, West T, Craig AM, Holtzman DM, Gitlin JD. Role of the Menkes copper-transporting ATPase in NMDA receptor-mediated neuronal toxicity. Proc Natl Acad Sci U S A. 2006 Oct 3;103(40):14919-24. Epub 2006 Sep 26.. PMID: 17003121 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**