

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB08506 - Goat Anti-ATP7A Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** ATP7A, RP3-465G10.1, MK, MNK, Cu2plus-transporting P-type ATPase, Menkes disease-associated protein, OTTHUMP00000062077, copper pump 1, copper-transporting ATPase 1

**Official Symbol:** ATP7A

**Accession Number(s):** NP\_000043.4; NP\_001269153.1

**Human GeneID(s):** [538](#)

### Immunogen

Peptide with sequence C-HKNNWNIEDNNIKN, from the internal region of the protein sequence according to NP\_000043.4; NP\_001269153.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 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.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:8000.

**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 163kDa according to NP\_000043.3. The 55kDa band was successfully blocked by incubation with the immunizing peptide. We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

### Species Reactivity

**Tested:**

**Expected from sequence similarity:** Human