

## Product datasheet for **TA815476M**

### ATP7B Mouse Monoclonal Antibody [Clone ID: OTI5A12]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI5A12
Applications:	WB
Recommended Dilution:	WB 1:500
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment of Human ATP7B (NP_000044) produced in Ecoli.
Formulation:	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Shipped at -20°C or with ice packs, Upon delivery store at -20°C. Dilute in PBS(pH7.3) if necessary. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	157.1 kDa
Gene Name:	ATPase copper transporting beta
Database Link:	<a href="#">NP_000044</a> <a href="#">Entrez Gene 540 Human</a> <a href="#">P35670</a>

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**Background:**

This gene is a member of the P-type cation transport ATPase family and encodes a protein with several membrane-spanning domains, an ATPase consensus sequence, a hinge domain, a phosphorylation site, and at least 2 putative copper-binding sites. This protein is a monomer, and functions as a copper-transporting ATPase which exports copper out of the cells, such as the efflux of hepatic copper into the bile. Alternate transcriptional splice variants, encoding different isoforms with distinct cellular localizations, have been characterized. Mutations in this gene have been associated with Wilson disease which is characterized by copper accumulation. [provided by RefSeq, Dec 2019]

**Synonyms:**

PWD; WC1; WD; WND

**Protein Families:**

Druggable Genome, Transmembrane

**Product images:**
