

## Anti-ATP7B Antibody (7M703)

## Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	7M703
Purification:	Affinity-chromatography

## Applications

Verified Activity:	<p>1. Immunofluorescence staining of Hela cell with TMAH-00095 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).</p> <p>2. Overlay Peak curve showing Hela cells stained with TMAH-00095 (red line) at 1:100. The cells were fixed in 4% formaldehyde (15min) and permeated by 0.2% TritonX-100 for 10min. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1<math>\mu</math>g/1*10<sup>6</sup> cells) for 45min at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Rabbit IgG(H+L) at 1/200 dilution for 35 min at 4°C. Isotype control antibody (green line) was mouse IgG1 (1<math>\mu</math>g/1*10<sup>6</sup> cells) used under the same conditions. Acquisition of &gt;10,000 events was performed.</p>
Application:	ELISA,FCM,IF
Recommended	IF:1:50-1:200; FCM:1:50-1:200.

## Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: Human ATP7B Protein
Antigen Species:	Human
Gene ID:	540
Uniprot ID:	P35670
Synonyms:	Copper pump 2;tx;Toxic milk;WD;ATPase;Copper transporting ATPase 2;Cu(2+) transporting; Cu++ transporting;WND;ATP7B;Wilson disease associated protein;WND/140 kDa;beta polypeptide;WC1;PWD
Biology Area:	Metabolism, Signal transduction

## Research Background

Copper ion transmembrane transporter involved in the export of copper out of the cells. It is involved in copper homeostasis in the liver, where it ensures the efflux of copper from hepatocytes into the bile in response to copper overload.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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