

## Product Information

**Anti-ATP7A**  
antibody produced in chicken,  
affinity isolated antibody

Catalog Number **GW21023**  
Formerly listed as GenWay Catalog Number 15-288-21023,  
Copper-transporting ATPase 1 Antibody.

Storage Temperature Store at -20 °C

Synonyms: ATPase, Cu++ transporting, alpha polypeptide;  
Menkes disease-associated protein; copper pump 1; copper-  
transporting ATPase 1, EC 3.6.3.4; Copper pump 1; Menkes  
disease-associated protein

### Product Description

May supply copper to copper-requiring proteins within the  
secretory pathway. when localized in the trans-Golgi  
network. Under conditions of elevated extracellular copper.  
it relocalized to the plasma membrane where it functions in  
the efflux of copper from cells.

NCBI Accession number: NP\_000043.1  
Swiss Prot Accession number: Q04656

Gene Information: Human .. ATP7A (538)

Immunogen: Recombinant protein ATPase, Cu++ trans-  
porting, alpha polypeptide; Menkes disease-associated  
protein; copper pump 1; copper-transporting ATPase 1

Immunogen Sequence: GI # 4502321, sequence 1407 - 1500

The product is a clear, colorless solution in phosphate  
buffered saline, pH 7.2, containing 0.02% sodium azide.

Species Reactivity: Human, mouse, rat

Tested Applications: WB

Recommended Dilutions: Recommended starting dilution  
for Western blot analysis is 1:500, for tissue or cell staining  
1:200.

Note: Optimal concentrations and conditions for each  
application should be determined by the user.

### Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or  
other uses. Due to the sodium azide content a material  
safety data sheet (MSDS) for this product has been sent to  
the attention of the safety officer of your institution. Please  
consult the Material Safety Data Sheet for information  
regarding hazards and safe handling practices.

### Storage/Stability

For continuous use, store at 2-8 °C for up to one week. For  
extended storage, store in -20 °C freezer in working  
aliquots. Repeated freezing and thawing, or storage in  
"frostfree" freezers, is not recommended. If slight turbidity  
occurs upon prolonged storage, clarify the solution by  
centrifugation before use. Working dilution samples should  
be discarded if not used within 12 hours.

LPG,MAM12/09-1

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