

## ATP7A Antibody

Catalog No: #37432

Package Size: #37432-1 50ul #37432-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

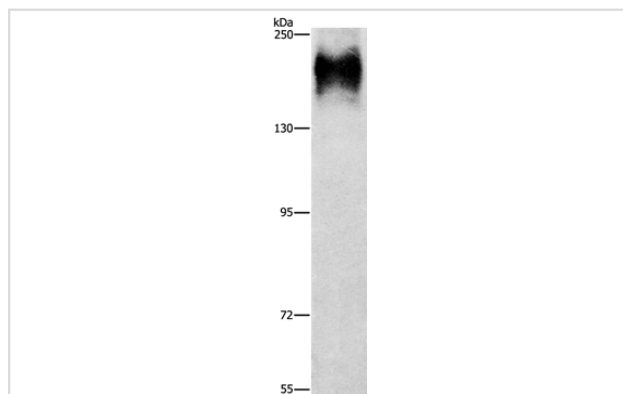
|                       |   |
|-----------------------|---|
| Product Name          | ATP7A Antibody  |
| Host Species          | Rabbit  |
| Clonality             | Polyclonal  |
| Purification          | Antigen affinity purification.  |
| Applications          | WB IHC  |
| Species Reactivity    | Hu  |
| Specificity           | The antibody detects endogenous levels of total ATP7A protein.  |
| Immunogen Type        | Peptide   |
| Immunogen Description | Synthetic peptide corresponding to residues near the C terminal of human ATPase, Cu <sup>++</sup> transporting, alpha polypeptide |
| Target Name           | ATP7A   |
| Other Names           | MK; MNK; DSMAX; SMAX3   |
| Accession No.         | Swiss-Prot#: Q04656NCBI Gene ID: 538Gene Accssion: NP_000043  |
| SDS-PAGE MW           | 163kd   |
| Concentration         | 4mg/ml  |
| Formulation           | Rabbit IgG in pH7.3 PBS, 0.05% NaN <sub>3</sub> , 50% Glycerol.   |
| Storage               | Store at -20°C  |

## Application Details

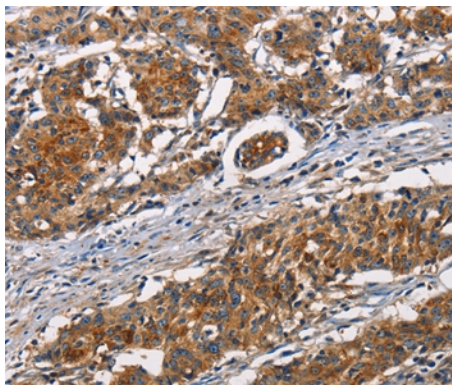
Western blotting: 1:200-1:1000

Immunohistochemistry: 1:50-1:200

## Images



Gel: 6%SDS-PAGE  
Lysate: 40ug HepG2 cell  
Primary antibody: 1/800 dilution  
Secondary antibody dilution: 1/8000  
Exposure time: 10 minutes



Immunohistochemical analysis of paraffin-embedded Human gastric cancer tissue using #37432 at dilution 1/50.

## Background

This gene encodes a transmembrane protein that functions in copper transport across membranes. This protein is localized to the trans Golgi network, where it is predicted to supply copper to copper-dependent enzymes in the secretory pathway. It relocalizes to the plasma membrane under conditions of elevated extracellular copper, and functions in the efflux of copper from cells. Mutations in this gene are associated with Menkes disease, X-linked distal spinal muscular atrophy, and occipital horn syndrome. Alternatively-spliced transcript variants have been observed.?

## Published Papers

el at., Establishment and experimental validation of a novel cuproptosis-related gene signature for prognostic implication in cholangiocarcinoma. In Front Oncol

. 2022 Dec 8 by Jialu Chen , Xiaopeng Yu , et al.. PMID:36568224, , (2022)

[PMID:36568224](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.