

ATP7B Rabbit pAb

Catalog No.: A5676

1 Publications

Basic Information

Observed MW

157kDa

Calculated MW

157kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P

Cross-Reactivity

Human, Mouse, Rat

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.

Recommended Dilutions

WB 1:1000 - 1:2000

IHC-P 1:50 - 1:200

Immunogen Information

Gene ID

540

Swiss Prot

P35670

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1251-1351 of human ATP7B (NP_001230111.1).

Synonyms

WD; PWD; WC1; WND; ATP7B

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

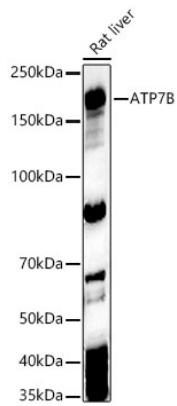
Affinity purification

Storage

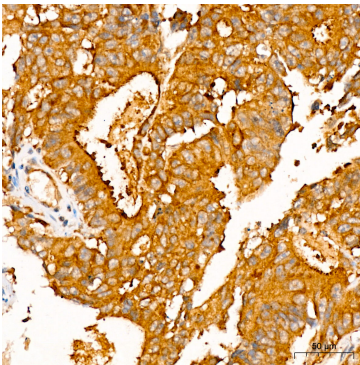
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

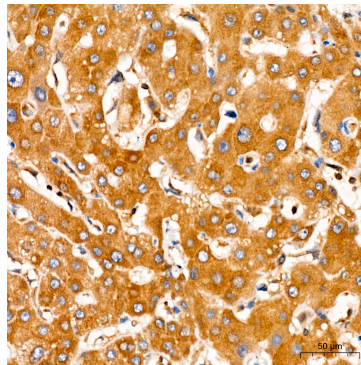
Validation Data



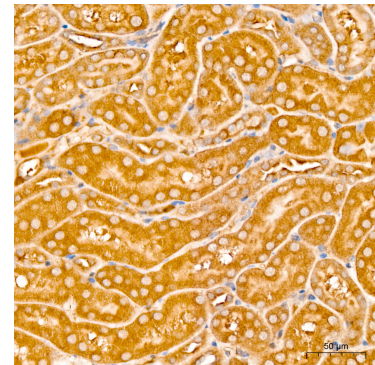
Western blot analysis of lysates from Rat liver using ATP7B Rabbit pAb(A5676) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 180s.



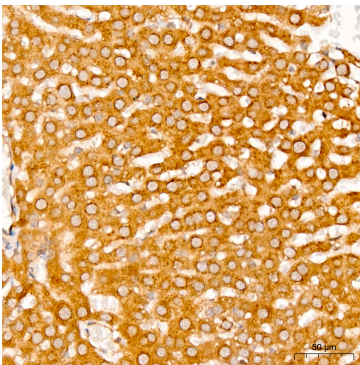
Immunohistochemistry analysis of ATP7B in paraffin-embedded human colon carcinoma tissue using ATP7B Rabbit pAb (A5676) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of ATP7B in paraffin-embedded human liver tissue using ATP7B Rabbit pAb (A5676) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of ATP7B in paraffin-embedded mouse kidney tissue using ATP7B Rabbit pAb (A5676) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of ATP7B in paraffin-embedded rat liver tissue using ATP7B Rabbit pAb (A5676) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.