

ATP7B polyclonal antibody

Catalog # PAB12477 Size 100 uL

Applications

Western Blot (Tissue lysate)

Western blot analysis of ATP7B in 20 ug of mouse brain membrane fraction using ATP7B polyclonal antibody (Cat # PAB12477).



Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ATP7B.
Immunogen	A synthetic peptide corresponding to N-terminus of human ATP7B.
Host	Rabbit
Reactivity	Human, Mouse
Specificity	This antibody is specific to ATP7b.
Form	Liquid
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris-citrate/phosphate buffer, pH 7.0-8.0 (0.09% sodium azide)
Storage Instruction	Store at 4°C. Do not freeze.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of ATP7B in 20 ug of mouse brain membrane fraction using ATP7B polyclonal antibody (Cat # PAB12477).

- Immunohistochemistry

Gene Info — ATP7B

Entrez GeneID [540](#)

Protein Accession# [P35670](#)

Gene Name ATP7B

Gene Alias PWD, WC1, WD, WND

Gene Description ATPase, Cu⁺⁺ transporting, beta polypeptide

Omim ID [277900 606882](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 functions as a monomer, exporting 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 (WD). [provided by RefSeq]

Other Designations ATPase, Cu(2+)- transporting, beta polypeptide|OTTHUMP00000040880|Wilson disease-associated protein|copper pump 2|copper-transporting ATPase 2

Publication Reference

- [Transport of cisplatin by the copper efflux transporter ATP7B.](#)

Safaei R, Otani S, Larson BJ, Rasmussen ML, Howell SB.

Molecular Pharmacology 2008 Feb; 73(2):461.

Application: WB, Insects, Sf9 cells

Disease

- [Chromosome Aberrations](#)
- [Genetic Predisposition to Disease](#)
- [Hepatolenticular Degeneration](#)
- [Kidney Failure](#)
- [Liver Failure](#)
- [Mental Disorders](#)
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