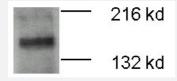


ATP7B polyclonal antibody

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 shoul d 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 GenelD	540
Protein Accession#	P35670
Gene Name	АТР7В
Gene Alias	PWD, WC1, WD, WND
Gene Description	ATPase, Cu++ transporting, beta polypeptide
Omim ID	<u>277900</u> <u>606882</u>
Gene Ontology	<u>Hyperlink</u>
Gene Summary	This gene is a member of the P-type cation transport ATPase family and encodes a protein with s everal membrane-spanning domains, an ATPase consensus sequence, a hinge domain, a phosp horylation 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 transc riptional 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 OTTHUMP0000040880 Wilson disease-associ ated 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
- Motor Skills