

bs-1718R**[Primary Antibody]****ATP7B Rabbit pAb****BioSS**
ANTIBODIES

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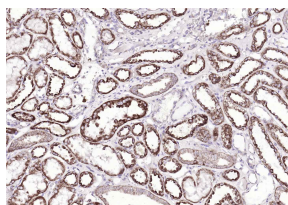
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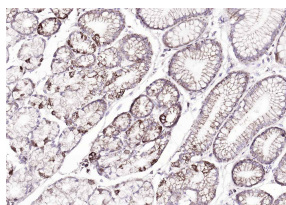
400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500)
Clonality: Polyclonal		IHC-F (1:100-500)
GeneID: 540	SWISS: P35670	IF (1:100-500)
Target: ATP7B		Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Chicken)
Immunogen: KLH conjugated synthetic peptide derived from human ATP7B: 1351-1465/1465. < Cytoplasmic >		Predicted MW.: 161 kDa
Purification: affinity purified by Protein A		Subcellular Location: Cell membrane ,Cytoplasm
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: ATP7b is an important protein for copper transport and elimination of excess copper from the body. ATP7b transports metals in and out of cells using ATP. There are 3 known isoforms of the ATP7b gene; A is found in the liver, kidney, and brain, the shorter form B is found in brain tissue, and the third isoform, known as WND/140 KDA is found in mitochondria. Mutations in the ATP7b gene can cause Wilson's disease, an inherited disorder causing copper poisoning in the brain and liver.		

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (human kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ATP7B) Polyclonal Antibody, Unconjugated (bs-1718R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human gastric carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ATP7B) Polyclonal Antibody, Unconjugated (bs-1718R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

— SELECTED CITATIONS —

- **[IF=4.527]** Carotenuto R et al. Impact of copper in *Xenopus laevis* liver: Histological damages and atp7b downregulation. *Ecotoxicol Environ Saf.* 2020 Jan 30;188:109940. WB,IHC ;*Xenopus laevis*. 31757510
- **[IF=2.09]** Wang, Xurui, et al. "miR-133a enhances the sensitivity of Hep-2 cells and vincristine-resistant Hep-2v cells to cisplatin by downregulating ATP7B expression." *International Journal of Molecular Medicine.* 37(6):1636-42. Other ;="". 27121102