bs-1718R

[Primary Antibody]

BIOSS ANTIBODIES

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ATP7B Rabbit pAb

- DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GenelD: 540 **SWISS:** P35670

Target: ATP7B

Immunogen: KLH conjugated synthetic peptide derived from human ATP7B:

1351-1465/1465. < Cytoplasmic >

Purification: affinity purified by Protein A

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.

Applications: IHC-P (1:100-500)

IHC-F (1:100-500) IF (1:100-500)

Reactivity: Human, Mouse, Rat

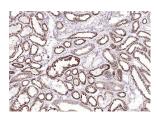
(predicted: Rabbit, Pig,

Chicken)

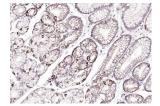
Predicted MW.: 161 kDa

Subcellular Location: Cell membrane ,Cytoplasm

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) instructions and 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