

bs-0096R**[Primary Antibody]**

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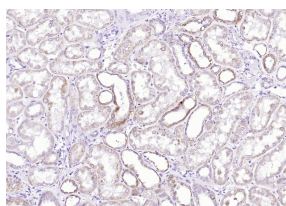
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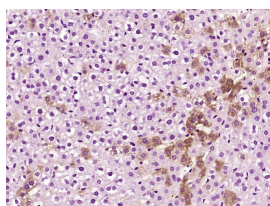
400-901-9800

AAT Rabbit pAb**— DATASHEET —**

Host: Rabbit Clonality: Polyclonal GeneID: 5265 Target: AAT Immunogen: KLH conjugated synthetic peptide derived from human AAT: 101-200/418. 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: Alpha-1-antitrypsin is a protease inhibitor, deficiency of which is associated with emphysema and liver disease. The protein is encoded by a gene (PI) located on the distal long arm of chromosome 14.	Isotype: IgG SWISS: P01009	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Rat (predicted: Mouse, Pig, Cow, Dog) Predicted MW.: 44 kDa Subcellular Location: Secreted ,Extracellular matrix
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— 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 (alpha 1 Antitrypsin) Polyclonal Antibody, Unconjugated (bs-0096R) 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 (Rat liver); 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 (alpha 1 Antitrypsin) Polyclonal Antibody, Unconjugated (bs-0096R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=3.06]** Feng, Ya-Ling, et al. "Alpha-1-antitrypsin suppresses oxidative stress in preeclampsia by inhibiting the p38MAPK signaling pathway: An in vivo and in vitro study." PLoS one 12.3 (2017): e0173711. IHC ;Mouse. 28358847
- **[IF=3]** Kunihiro Matsuguma. et al. Improvement in aged liver regeneration using cell transplantation with chemically induced liver progenitors. J HEPATO-BIL-PAN SCI. 2024 Apr; FCM ;Mouse. 38567454