

bs-5020R**[Primary Antibody]****Bioss**
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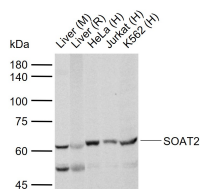
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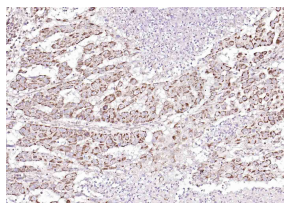
400-901-9800

SOAT2 Rabbit pAb**— DATASHEET —**

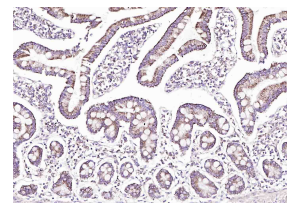
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Cow, Dog, Horse) Predicted MW.: 60 kDa Subcellular Location: Cell membrane ,Cytoplasm
Clonality: Polyclonal		
GeneID: 8435	SWISS: O75908	
Target: SOAT2		
Immunogen: KLH conjugated synthetic peptide derived from human ACAT2: 331-430/522.		
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: Acetyl-Coenzyme A acetyltransferase 2 is an enzyme involved in lipid metabolism. Reported patients with ACAT2 deficiency have shown severe mental retardation and hypotonus. The ACAT2 gene shows complementary overlapping with the 3-prime region of the TCP1 gene in both mouse and human. These genes are encoded on opposite strands of DNA, as well as in opposite transcriptional orientation.		

— VALIDATION IMAGES —

Sample: Lane 1: Mouse Liver tissue lysates Lane 2: Rat Liver tissue lysates Lane 3: Human HeLa cell lysates Lane 4: Human Jurkat cell lysates Lane 5: Human K562 cell lysates Primary: Anti-SOAT2 (bs-5020R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 60 kDa Observed band size: 61 kDa



Paraformaldehyde-fixed, paraffin embedded (human lung 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; Incubation with (SOAT2) Polyclonal Antibody, Unconjugated (bs-5020R) 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 duodenum); 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; Incubation with (SOAT2) Polyclonal Antibody, Unconjugated (bs-5020R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=6.78]** Shuzhou Wang. et al. Effects of NAC assisted insulin on cholesterol metabolism disorders in canine type 1 diabetes mellitus. LIFE SCI. 2022 Dec;;121193 WB ;Dog. 36463942
- **[IF=4.165]** Hung-Yu Sun. et al. Sterol O -acyltransferase 2 chaperoned by apolipoprotein J facilitates hepatic lipid accumulation following viral and nutrient stresses. Commun Biol. 2021 May;4(1):1-14 IF ;Human. 33980978
- **[IF=4.081]** Huo Yihui. et al. Effect of Copper Exposure on the Cholesterol Metabolism in Broiler Liver. BIOL TRACE ELEM RES. 2023 Mar;;1-9 WB ;Chicken. 36929115

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.