

bs-5052R**[Primary Antibody]****CYP7B1 Rabbit pAb****Bioss**
ANTIBODIES

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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: ELISA (1:5000-10000)
Clonality: Polyclonal		Reactivity: Human (predicted: Mouse, Rat, Rabbit, Dog, Horse)
GeneID: 9420	SWISS: O75881	
Target: CYP7B1		Predicted MW.: 58 kDa
Immunogen: KLH conjugated synthetic peptide derived from human CYP7B1: 351-450/506.		Subcellular Location: Cell membrane ,Cytoplasm
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: The CYP7B1 protein catalyzes the first reaction in the cholesterol catabolic pathway of extrahepatic tissues, which converts cholesterol to bile acids. This enzyme is likely to play a minor role in total bile acid synthesis, and may also be involved in the development of neurosteroid metabolism, atherosclerosis and sex hormone synthesis, and is a member of the cytochrome P450 superfamily of enzymes.		

— SELECTED CITATIONS —

- **[IF=5.923]** Hana Lastuvkova. et al. Atorvastatin Modulates Bile Acid Homeostasis in Mice with Diet-Induced Nonalcoholic Steatohepatitis. Int J Mol Sci. 2021 Jan;22(12):6468 **WB ;Mouse**. 34208774
- **[IF=6.1]** Yue Zhu. et al. Ginsenosides From Panax ginseng Improves Hepatic Lipid Metabolism Disorders in HFD-Fed Rats by Regulating Gut Microbiota and Cholesterol Metabolism Signaling Pathways. PHYTOTHER RES. 2024 Dec;; **WB ;Rat**. 39660634
- **[IF=3.723]** Fatemeh Alaei Faradonbeh. et al. Metformin impairs bile acid homeostasis in ethinylestradiol-induced cholestasis in mice. Chem-Biol Interact. 2021 May;;109525 **WB ;Mouse**. 34058177
- **[IF=4.4]** Yanruyu Feng. et al. Integrative analysis of non12-hydroxylated bile acid revealed the suppressed molecular map of alternative pathway in nonalcoholic steatohepatitis mice. FASEB J. 2024 Nov;38(22):e70167 **WB ;Mouse**. 39556333