

bs-0609R**[Primary Antibody]****Bioss**
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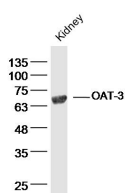
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OAT-3 Rabbit pAb**DATASHEET**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Mouse (predicted: Human, Rat, Rabbit)
Target: OAT-3		Predicted MW.: 59 kDa
Immunogen: KLH conjugated synthetic peptide derived from rat OAT-3: 31-110/536.		Subcellular Location: Cell membrane
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: Human organic anion transporter (OAT) 3 (SLC22A8) is localized to the basolateral membranes of renal tubular epithelial cells and plays a critical role in the excretion of anionic compounds. Recent advances in molecular biology have identified three organic anion transporter families: the organic anion transporter (OAT) family encoded by SLC22A, the organic anion transporting peptide (OATP) family encoded by SLC21A (SLCO), and the multidrug resistance-associated protein (MRP) family encoded by ABCC. These families play critical roles in the transepithelial transport of organic anions in the kidneys as well as in other tissues such as the liver and brain. Among these families, the OAT family plays the central role in renal organic anion transport. Knowledge of these three families at the molecular level, such as substrate selectivity, tissue distribution, and gene localization, is rapidly increasing.		

VALIDATION IMAGES

Sample: Kidney (Mouse) Lysate at 40 ug Primary:
Anti-OAT-3 (bs-0609R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at
1/20000 dilution Predicted band size: 59 kD
Observed band size: 65 kD

SELECTED CITATIONS

- **[IF=8.3]** Yongshuai Qian. et al. Linarin attenuates hyperuricemic nephropathy by modulating Nrf2/Keap1 and TLR4/NF- κ B signaling pathways: Linarin attenuates hyperuricemic nephropathy. PHYTOMEDICINE. 2025 Jan;;156440 WB ;Mouse. 39908585
- **[IF=6.7]** Xin Wang. et al.(+)-Borneol enhances the protective effect of edaravone against cerebral ischemia/reperfusion injury by targeting OAT3/P-gp transporters for drug delivery into the brain..PHYTOMEDICINE.2025 Apr:139:156521. Western blot ;Rat. 39986230
- **[IF=6.1]** Xiaofei Zhou. et al. Coffee Leaf Tea Extracts Improve Hyperuricemia Nephropathy and Its Associated Negative Effect in Gut Microbiota and Amino Acid Metabolism in Rats. J AGR FOOD CHEM. 2023;XXXX(XXX):XXX-XXX WB ;Rat.

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

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- **[IF=5.23]** Enoki, Yuki, et al. "Indoxyl sulfate potentiates skeletal muscle atrophy by inducing the oxidative stress-mediated expression of myostatin and atrogen-1." *Scientific Reports* 6 (2016): 32084. WB ;Mouse. 27549031
- **[IF=4.7]** Yong-jun Chen. et al. Salinomycin, a potent inhibitor of XOD and URAT1, ameliorates hyperuricemic nephropathy by activating NRF2, modulating the gut microbiota, and promoting SCFA production. *CHEM-BIOL INTERACT.* 2024 Aug;;111220 WB ;Mouse. 39222901