bs-0606R **[Primary Antibody]**

OAT1 / SLC22A6 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 9356 **SWISS:** Q4U2R8

Target: OAT1 / SLC22A6

Immunogen: KLH conjugated synthetic peptide derived from human OCT-1: 285-550/550. < 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: 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.

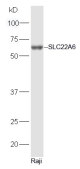
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Human, Mouse, Rat

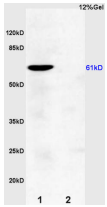
Predicted MW.: 62 kDa

Subcellular Location: Cell membrane

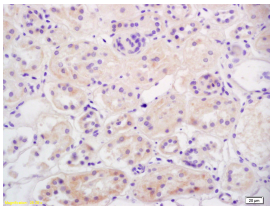
VALIDATION IMAGES



Sample: Raji Cell lysate at 30 ug; Primary:Anti-SLC22A6 (bs-0606R) at 1:300 dilution; Secondary: HRP conjugated Goat-Anti-rabbit IgG(bs-0295G-HRP) at 1: 5000 dilution; Predicted band size: 62 kD Observed band size: 62 kD



Sample: Kidney(Human) lysate at 30ug; Brain(Rat) lysate at 30ug; Primary: Anti-OAT-1/SLC22A6(human) (bs-0606R) at 1:200 dilution; Secondary: HRP conjugated Goat Anti-Rabbit IgG(bs-0295G-HRP) at 1: 3000 dilution; Predicted band size : 62kD Observed band size : 61kD



Tissue/cell: human kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-OAT-1/SLC22A6(human) Polyclonal Antibody, Unconjugated(bs-0606R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

SELECTED CITATIONS

- **[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. IF ;Rat. 39986230
- **[IF=4.073]** Le Y et al. Anti-Hyperuricemic Effects of Astaxanthin by Regulating Xanthine Oxidase, Adenosine Deaminase

and Urate Transporters in RatsMar Drugs.2020 Dec 1;18(12):610. WB ;Rat. 33271765

- **[IF=3.47]** Zhang Y et al. Konjac glucomannan improves hyperuricemia through regulating xanthine oxidase, adenosine deaminase and urate transporters in rats. Journal of Functional Foods,2018 48, 566–575. WB ;Rat. 10.1016/j.jff.2018.07.062
- **[IF=1.525]** Zhou et al. Total saponins from Discorea nipponica makino ameliorate urate excretion in hyperuricemic rats. (2015) Pharmacogn.Mag. 11:567-73 IHC ;Rat. 26246733