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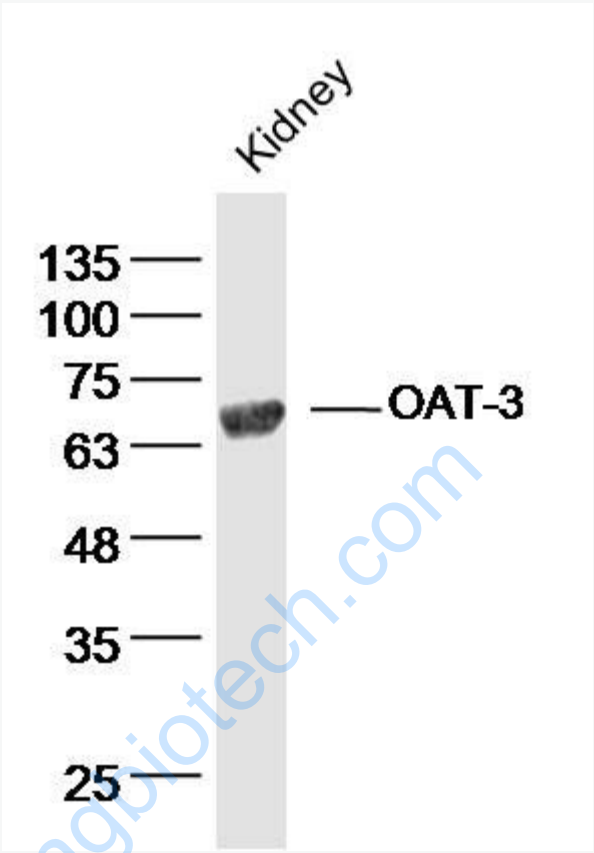
Rabbit Anti-OAT-3 antibody

SL0609R

Product Name:	OAT-3
Chinese Name:	阴离子Transporter-3抗体
Alias:	Organic anion transporter 3; hOAT3; OAT3; SLC22A8; Solute carrier family 22 member 8; S22A8_RAT.
文献引用 PubMed :	**Specific References(3)**|SL0609R has been referenced in 3 publications. **[IF=1.26]**Zhou, Qi, et al. "Total saponins from Discorea nipponica makino ameliorate urate excretion in hyperuricemic rats." Pharmacognosy Magazine 11.43 (2015): 567.**WB;Rat**. PubMed:25248048 **[IF=5.23]**Enoki, Yuki, et al. "Indoxyl sulfate potentiates skeletal muscle atrophy by inducing the oxidative stress-mediated expression of myostatin and atrogin-1." Scientific Reports 6 (2016): 32084.**WB;Mouse**. PubMed:27549031 **[IF=2.76]**Zhu, Liran, et al. "Saponins extracted from Dioscorea collettii rhizomes regulate the expression of urate transporters in chronic hyperuricemia rats." Biomedicine & Pharmacotherapy 93 (2017): 88-94.**IHC-P;Rat**. PubMed:28624426
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	59kDa

Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from rat OAT-3:31-110/536
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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. **Function:** Plays an important role in the excretion/detoxification of endogenous and exogenous organic anions, especially from the brain and kidney. Involved in the transport basolateral of steviol, fexofenadine. Transports benzylpenicillin (PCG), estrone-3-sulfate (E1S), cimetidine (CMD), 2,4-dichloro-phenoxyacetate (2,4-D), p-amino-hippurate (PAH), acyclovir (ACV) and ochratoxin (OTA). **Subcellular Location:** Basolateral cell membrane; Multi-pass membrane protein (Potential). Note=Localizes on the brush border membrane of the choroid epithelial cells. Localizes to the basolateral membrane of the proximal tubular cells. Localizes on the abluminal and possibly, luminal membrane of the brain capillary endothelial cells (BCEC) (By similarity). **Tissue Specificity:** Expressed in kidney. **Similarity:** Belongs to the major facilitator (TC 2.A.1) superfamily. Organic cation transporter (TC 2.A.1.19) family. **SWISS:**

	Q8HY24 **Gene ID:** 83500 **Database links:** Entrez Gene: 9376Human • Entrez Gene: 19879Mouse • Omim: 607581Human • SwissProt: Q8TCC7Human • SwissProt: O88909Mouse • SwissProt: Q8HY24Rabbit • Unigene: 266223Human • Unigene: 285294Mouse **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. OAT3阴离子Transporter是一类分布广泛的膜蛋白，通过介导Cl－／HCO－3跨膜转运参与细胞内pH、细胞体积及细胞内氯离子浓度的调节。

Picture:	 Sample:Kidney (Mouse) Lysate at 40 ug Primary: Anti-OAT-3 (SL0609R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 59 kD Observed band size: 65 kD