尿酸盐重吸收转运子 1 抗体

产品货号： mlR10357

英文名称： SLC22A12

中文名称： 尿酸盐重吸收转运子 1 抗体

别　　名： URAT1; S22AC_HUMAN; OAT4L; Solute carrier family 22 member 12; Organic anion transporter 4-like protein; Renal-specific transporter; RST; Urate anion exchanger 1; Urate 1 transporter protein; solute carrier family 22 (organic anion/cation transporter), member12; slc22a12.

研究领域： 转运蛋白　跨膜蛋白

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human,

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500（石蜡切片需做抗原修复）
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

分 子 量： 61kDa

细胞定位： 细胞膜

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human URAT1:101-200/553

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 ℃ 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℃. 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 ℃.

PubMed： PubMed

产品介绍： URAT1 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:

Required for efficient urate re-absorption in the kidney. Regulates blood urate levels. Mediates saturable urate uptake by facilitating the exchange of urate against organic anions.

Subunit:

Interacts with PDZK1.

Subcellular Location:

Cell membrane; Multi-pass membrane protein. Note=Detected in the luminal membrane of the epithelium of renal proximal tubules.

Tissue Specificity:

Detected in kidney (at protein level). Detected in fetal and adult kidney. Detected in epithelial cells of proximal tubules in renal cortex.

DISEASE:

Hypouricemia renal 1 (RHUC1) [MIM:220150]: A disorder characterized by impaired uric acid reabsorption at the apical membrane of proximal renal tubule cells, and high urinary urate excretion. Patients often appear asymptomatic, but may be subject to exercise-induced acute renal failure, chronic renal dysfunction and nephrolithiasis. Note=The disease is caused by mutations affecting the gene represented in this entry.

Similarity:

Belongs to the major facilitator (TC 2.A.1) superfamily. Organic cation transporter (TC 2.A.1.19) family.

SWISS:

Q9NSA0

Gene ID:

55867

Important Note:

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

产品图片