碳酸氢钠协同转运蛋白 4-A11 抗体

产品货号： mlR21020

英文名称： SLC5A11

中文名称： 碳酸氢钠协同转运蛋白 4-A11 抗体

别　　名： homolog of rabbit KST1; KST1; Na(+)/myo-inositol cotransporter 2; na+/myo-inositol cotransporter 2; putative sodium-coupled cotransporter RKST1; RKST1; SC5AB_HUMAN; SGLT6; SLC5A11; SMIT2; sodium-dependent glucose cotransporter; sodium/glucose cotransporter KST1; sodium/myo-inositol cotransporter 2; Sodium/myo-inositol transporter 2; solute carrier family 5 (sodium/glucose cotransporter), member 11; solute carrier family 5 member 11.

研究领域： 细胞生物　信号转导

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human,

产品应用： 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： 74kDa

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 SLC5A11:1-100/675 <Extracellular>

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 ° 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

产品介绍： Cotransporters, such as SLC5A11, represent a major class of proteins that make use of ion gradients to drive active transport for the cellular accumulation of nutrients, neurotransmitters, osmolytes, and ions Roll et al. (2002) [PubMed 12039040].[supplied by OMIM, Mar 2008]

Function:

Involved in the sodium-dependent cotransport of myo-inositol (MI) with a Na(+):MI stoichiometry of 2:1. Exclusively responsible for apical MI transport and absorption in intestine. Also can transport D-chiro-inositol (DCI) but not L-fructose. Exhibits stereospecific cotransport of both D-glucose and D-xylose. May induce apoptosis through the TNF-alpha, PDCD1 pathway. May play a role in the regulation of MI concentration in serum, involving reabsorption in at least the proximal tubule of the kidney.

Subcellular Location:

Membrane.

Tissue Specificity:

Highest expression in heart, skeletal muscle, kidney, liver and placenta. Weaker expression in brain, colon, spleen, lung and peripheral blood leukocytes.

Similarity:

Belongs to the sodium:solute symporter (SSF) (TC 2.A.21) family.

SWISS:

Q8WWX8

Gene ID:

115584

Important Note:

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