

## 碳酸氢钠协同转运蛋白 4-A5 抗体

产品货号： mlR21017

英文名称： SLC4A5

中文名称： 碳酸氢钠协同转运蛋白 4-A5 抗体

别名： NBC4; Electrogenic sodium bicarbonate cotransporter 4; MGC129662; NBC4; NBCe2; S4A5\_HUMAN; SLC4A5; Solute carrier family 4 member 5; Solute carrier family 4 sodium bicarbonate cotransporter member 5.

研究领域： 肿瘤 细胞生物 神经生物学 信号转导 转运蛋白

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Chicken, Dog, Pig, Cow, Horse, Rabbit, Zebrafish, Sheep,

产品应用： 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： 126kDa

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 SLC4A5:501-600/1137 <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：** This gene encodes a member of the sodium bicarbonate cotransporter (NBC) family, part of the bicarbonate transporter superfamily. Sodium bicarbonate cotransporters are involved in intracellular pH regulation and electroneutral or electrogenic sodium bicarbonate transport. This protein is thought to be an integral membrane protein. Multiple transcript variants encoding different isoforms have been found for this gene, but the biological validity of some variants has not been determined. [provided by RefSeq, Jul 2008]

**Function:**

Mediates sodium- and bicarbonate-dependent electrogenic sodium bicarbonate cotransport, with a Na(+):HCO<sub>3</sub>(-) stoichiometry of 2:1. May have a housekeeping function in regulating the pH of tissues in which it is expressed. May play a role in mediating Na(+):HCO<sub>3</sub>(-) cotransport in hepatocytes and intrahepatic cholangiocytes. Also may be important in protecting the renal paranchyma from alterations in urine pH.

**Subcellular Location:**

Apical cell membrane. Expressed in the apical plasma membrane domain of a subset of collecting ducts in the renal medulla.

**Tissue Specificity:**

Highest expression observed in liver, spleen and testis; moderate expression in the choroid plexus, hippocampus, cerebrum and cerebellum of brain, and in kidney cortex and kidney medulla. Also observed in heart, pancreas, muscle, lung, placenta, stomach and small intestine. Weakest expression seen in peripheral blood lymphocytes, colon, duodenum, jejunum, ileum and skeletal muscle.

**Similarity:**

Belongs to the anion exchanger (TC 2.A.31) family.

**SWISS:**

Q9BY07

**Gene ID:**

57835

**Important Note:**

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