

## 碳酸氢钠协同转运蛋白 4-A7 抗体

产品货号： mIR1530

英文名称： Slc4a7

中文名称： 碳酸氢钠协同转运蛋白 4-A7 抗体

别名： NBC3; NBCn1; Slc4a7; Nbc; Nbc2; Nbc3; Bicarbonate transporter; BT; NBC2; NBC3; S4A7; SBC2; SLC4A6; Sodium bicarbonate cotransporter 2; Sodium bicarbonate cotransporter 2b; Sodium bicarbonate cotransporter 3; Solute carrier family 4 member 7; Solute carrier family 4 sodium bicarbonate cotransporter member 7; solute carrier family 4, sodium bicarbonate cotransporter, member 7.

研究领域： 信号转导 转运蛋白 新陈代谢

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat,

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 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： 140kDa

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 Slc4a7:1-100/1254

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 : Electroneutral sodium- and bicarbonate-dependent cotransporter with a Na(+):HCO<sub>3</sub>(-) 1:1 stoichiometry. Regulates intracellular pH and may play a role in bicarbonate salvage in secretory epithelia. May also have an associated sodium channel activity.

**Function:**

Electroneutral sodium- and bicarbonate-dependent cotransporter with a Na(+):HCO<sub>3</sub>(-) 1:1 stoichiometry. Regulates intracellular pH and may play a role in bicarbonate salvage in secretory epithelia. May also have an associated sodium channel activity

**Subunit:**

Interacts with USH1C. Forms a complex with ATP6V1B1 and SLC9A3R1/EBP50. Interacts in a pH dependent-manner with CA2/carbonic anhydrase 2. Interacts with CFTR probably through SLC9A3R1/EBP50.

**Subcellular Location:**

Basolateral cell membrane; Multi-pass membrane protein. Apical cell membrane; Multi-pass membrane protein. Cell projection, stereocilium. Note=Also described at the apical cell membrane. Localizes to the stereocilia of cochlear outer hair cells and to the lateral membrane of cochlear inner hair cells.

**Tissue Specificity:**

Expressed in aorta, ventricles, atrium, mesenteric artery, kidney, spleen, duodenum, jejunum, ileum, colon, lung, trachea, gastric fundus and pylorus, cerebrum, cerebellum, pancreas, liver, parotid gland, and epididymis. Expressed in the inner ear by cochlear outer and inner hair cells (at protein level). Highly expressed in testis and spleen. Also detected in heart, brain, lung, liver and kidney. Isoform 4 and isoform 5 are specifically expressed in kidney. Isoform 6 is specifically expressed in hippocampal neurons.

**Post-translational modifications:**

N-glycosylated.

**Similarity:**

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

**SWISS:**

Q9Y6M7

**Gene ID:**

9497

**Important Note:**

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