



## Rabbit Anti-SLC12A4 antibody

SL19794R

<b>Product Name:</b>	SLC12A4
<b>Chinese Name:</b>	溶质载体家族蛋白12成员A4抗体
<b>Alias:</b>	Electroneutral potassium chloride cotransporter 1; Electroneutral potassium-chloride cotransporter 1; Erythroid K Cl cotransporter 1; Erythroid K-Cl cotransporter 1; FLJ40489; hKCC 1; hKCC1; KCC 1; KCC1; Potassium transport protein; Potassium/chloride cotransporter 1; S12A4_HUMAN; Slc12a4; Solute carrier family 12 (potassium/chloride transporters) member 4; Solute carrier family 12 member 4.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	121kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human SLC12A4:951-1050/1085
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	This gene encodes a member of the SLC12A transporter family. The encoded protein mediates the coupled movement of potassium and chloride ions across the plasma membrane. This gene is expressed ubiquitously. Multiple alternatively spliced

transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jan 2013]

**Function:**

Mediates electroneutral potassium-chloride cotransport when activated by cell swelling. May contribute to cell volume homeostasis in single cells. May be involved in the regulation of basolateral Cl(-) exit in NaCl absorbing epithelia (By similarity). Isoform 4 has no transport activity.

**Subcellular Location:**

Membrane.

**Tissue Specificity:**

Ubiquitous. Levels are much higher in erythrocytes from patients with Hb SC and Hb SS compared to normal AA erythrocytes. This may contribute to red blood cell dehydration and to the manifestation of sickle cell disease by increasing the intracellular concentration of HbS. Isoform 1 was not detected in circulating reticulocytes.

**Post-translational modifications:**

N-glycosylated.

**Similarity:**

Belongs to the SLC12A transporter family.

**SWISS:**

Q9UP95

**Gene ID:**

6560

**Database links:**

- [Entrez Gene: 6560](#) Human
- [Entrez Gene: 20498](#) Mouse
- [Entrez Gene: 396992](#) Pig
- [Entrez Gene: 29501](#) Rat
- [Omim: 604119](#) Human
- [SwissProt: Q9UP95](#) Human
- [SwissProt: Q9JIS8](#) Mouse

[SwissProt: Q28677](#) Rabbit

[SwissProt: Q63632](#) Rat

[Unigene: 10094](#) Human

[Unigene: 292447](#) Mouse

[Unigene: 32091](#)Rat

**Important Note:**

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