



## Rabbit Anti-SLC13A5 antibody

SL19796R

<b>Product Name:</b>	SLC13A5
<b>Chinese Name:</b>	溶质载体家族蛋白13成员A5抗体
<b>Alias:</b>	Na(+)/citrate cotransporter; EIEE25; NaC2/NaCT; NaCT; Novel solute carrier family 13 (sodium dependent dicarboxylate transporter) (Slc13a2 or 3) member; S13A5_HUMAN; Slc13a5; Sodium coupled citrate transporter; Sodium-coupled citrate transporter; Sodium-dependent citrate transporter; Solute carrier family 13 (sodium dependent citrate transporter), member 5; Solute carrier family 13 member 5.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Pig,Rabbit,Sheep,
<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>	63kDa
<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 SLC13A5:331-430/568
<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 protein belonging to the solute carrier family 13 group of proteins. This family member is a sodium-dependent citrate cotransporter that may regulate metabolic processes. Mutations in this gene cause early infantile epileptic

encephalopathy 25. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2014]

**Function:**

High-affinity sodium/citrate cotransporter that mediates citrate entry into cells. The transport process is electrogenic; it is the trivalent form of citrate rather than the divalent form that is recognized as a substrate. May facilitate the utilization of circulating citrate for the generation of metabolic energy and for the synthesis of fatty acids and cholesterol.

**Subcellular Location:**

Membrane.

**Tissue Specificity:**

Expressed most predominantly in the liver, with moderate expression detectable in the brain and testis.

**Similarity:**

Belongs to the SLC13A transporter (TC 2.A.47) family. NADC subfamily.

**SWISS:**

Q86YT5

**Gene ID:**

284111

**Database links:**

[Entrez Gene: 284111](#) Human

[Entrez Gene: 237831](#) Mouse

[Omim: 608305](#) Human

[SwissProt: Q86YT5](#) Human

[SwissProt: Q67BT3](#) Mouse

[Unigene: 399496](#) Human

[Unigene: 340778](#) Mouse

**Important Note:**

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

