



## Rabbit Anti-SLC22A2 antibody

SL19806R

<b>Product Name:</b>	SLC22A2
<b>Chinese Name:</b>	溶质载体家族蛋白22成员A2抗体
<b>Alias:</b>	MGC32628; OCT 2; OCT2; Organic cation transporter 2; Organic cation transporter; RP11-317M22.2; Solute carrier family 22 (organic cation transporter) member 2; Solute carrier family 22 member 2.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,
<b>Applications:</b>	WB=1:500-2000ELISA=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 SLC22A2:51-150/555<Extracellular>
<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>	Polyspecific organic cation transporters in the liver, kidney, intestine, and other organs are critical for elimination of many endogenous small organic cations as well as a wide array of drugs and environmental toxins. This gene is one of three similar cation transporter genes located in a cluster on chromosome 6. The encoded protein contains

twelve putative transmembrane domains and is a plasma integral membrane protein. Two transcript variants encoding two different isoforms have been found for this gene, but only the longer variant encodes a functional transporter. [provided by RefSeq, Jul 2008]

**Function:**

SLC22A2 (solute carrier family 22 (organic cation transporter), member 2) is an organic cation transporter. Polyspecific organic cation transporters in the liver, kidney, intestine, and other organs are critical for elimination of many endogenous small organic cations as well as a wide array of drugs and environmental toxins. SLC22A2 is found primarily in the kidney, where it may mediate the first step in cation reabsorption. It plays important roles in the renal tubular secretion of cationic drugs.

**Subcellular Location:**

Plasma membrane

**Similarity:**

Belongs to the major facilitator (TC 2.A.1) superfamily. Organic cation transporter (TC 2.A.1.19) family.

**SWISS:**

O15244

**Gene ID:**

6582

**Database links:**

[Entrez Gene: 6582](#) Human

[Entrez Gene: 20518](#) Mouse

[Entrez Gene: 29503](#) Rat

[Omim: 602608](#) Human

[SwissProt: O15244](#) Human

[SwissProt: O70577](#) Mouse

[SwissProt: Q9R0W2](#) Rat

[Unigene: 436385](#) Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human,

	therapeutic or diagnostic applications.
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