



Rabbit Anti-SLC38A5 antibody

SL21278R

Product Name:	SLC38A5
Chinese Name:	溶质载体Transporter家族38成员A5抗体
Alias:	Amino acid transporter system N2; JM 24; JM24; pp7194; S38A5; S38A5_HUMAN; Slc38a5; SLC8 A5; SLC8A 5; SN 2; SN2; SNAT 5; SNAT5; Sodium coupled neutral amino acid transporter 5; Sodium coupled neutral amino acid transporter5; Sodium-coupled neutral amino acid transporter 5; Solute carrier family 38 member 5; Solute carrier family 38 member5; System N transporter 2; System N transporter2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	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.
Molecular weight:	52kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SLC38A5:401-472/472<Extracellular>
Isotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 0.01M PBS, pH 7.4
Storage:	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
Product Detail:	The protein encoded by this gene is a system N sodium-coupled amino acid transporter. The encoded protein transports glutamine, asparagine, histidine, serine, alanine, and

glycine across the cell membrane, but does not transport charged amino acids, imino acids, or N-alkylated amino acids. Alternative splicing results in multiple transcript variants, but the full-length nature of some of these variants has not been determined. [provided by RefSeq, Aug 2013]

Function:

Functions as a sodium-dependent amino acid transporter which countertransport protons. Mediates the saturable, pH-sensitive, and electrogenic cotransport of several neutral amino acids including glycine, asparagine, alanine, serine, glutamine and histidine with sodium.

Subcellular Location:

Cell membrane.

Tissue Specificity:

Predominantly expressed in stomach, brain, liver, lung and intestinal tract.

Similarity:

Belongs to the amino acid/polyamine transporter 2 family.

SWISS:

Q8WUX1

Gene ID:

92745

Database links:

[Entrez Gene: 92745](#) Human

[Entrez Gene: 209837](#) Mouse

[Entrez Gene: 192208](#) Rat

[Omim: 300649](#) Human

[SwissProt: Q8WUX1](#) Human

[SwissProt: Q3U1J0](#) Mouse

[SwissProt: A2VCW5](#) Rat

[Unigene: 195155](#) Human

[Unigene: 6055](#) Mouse

[Unigene: 81033](#) Rat

	<p>Important Note:</p>
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This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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