



Rabbit Anti-SLC43A2 antibody

SL9281R

Product Name:	SLC43A2
Chinese Name:	溶质载体蛋白家族43成员2抗体
Alias:	FLJ23848; L-type amino acid transporter 4; Large neutral amino acids transporter small subunit 4; LAT4; LAT4_HUMAN; MGC34680; SLC43A2; Solute carrier family 43 (amino acid system L transporter) member 2; Solute carrier family 43 member 2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Zebrafish,Sheep,
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:	62kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SLC43A2:81-180/569
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
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:	System L amino acid transporters, such as SLC43A2, mediate sodium-independent transport of bulky neutral amino acids across cell membranes (Bodoy et al., 2005 [PubMed 15659399]).[supplied by OMIM, Mar 2008] Function:

Sodium-, chloride, pH-independent high affinity transport of large neutral amino acids.

Subcellular Location:

Membrane.

Tissue Specificity:

Detected in several tissues with, higher expression in placenta, kidney and peripheral blood leukocytes. In the kidney is detected in epithelial cells of the distal tubule and collecting duct. In the intestine is expressed mainly in crypt cells of the intestinal microvilli and epithelial cells in the base of the villus.

Post-translational modifications:

Glycosylated.

Similarity:

Belongs to the SLC43A transporter (TC 2.A.1.44) family.

SWISS:

Q8N370

Gene ID:

124935

Database links:

[Entrez Gene: 491193](#) Dog

[Entrez Gene: 100072377](#) Horse

[Entrez Gene: 124935](#) Human

[Entrez Gene: 100623009](#) Pig

[Entrez Gene: 100342229](#) Rabbit

[Entrez Gene: 287532](#) Rat

[Omim: 610791](#) Human

[SwissProt: Q8N370](#) Human

[Unigene: 160550](#) Human

[Unigene: 204988](#) Rat

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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