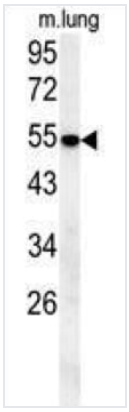
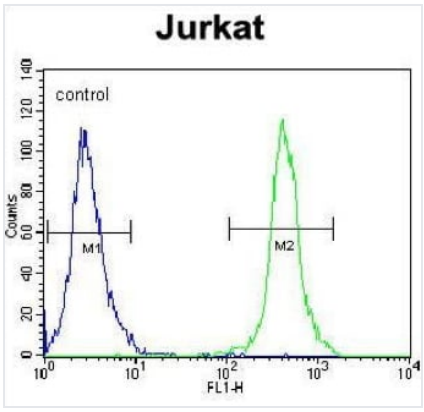
SLC43A2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SLC43A2, Polyclonal Antibody
Full Product Name	SLC43A2, ID (LAT4, Large neutral amino acids transporter small subunit 4, L-type amino acid transporter 4, Solute carrier family 43 member 2)
Product Gene Name	anti-SLC43A2 antibody
Product Synonym Names	Anti -SLC43A2, ID (LAT4, Large neutral amino acids transporter small subunit 4, L-type amino acid transporter 4, Solute carrier family 43 member 2)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2, 0.09% sodium azide.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Human, mouse
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	62,747 Da
Chromosome Location	Chromosome: 17; NC_000017.10 (1477678..1532130, complement). Location: 17p13.3
OMIM	610791
3D Structure	ModBase 3D Structure for Q8N370
Immunogen	SLC43A2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 243-273 amino acids from the Central region of human SLC43A2.
Product Categories/Family for anti-SLC43A2 antibody	Antibodies; Abs to Transport Proteins
Applications Tested/Suitable for anti-SLC43A2 antibody	ELISA (EL/EIA), Western Blot (WB), Flow Cytometry (FC/FACS)
Application Notes for anti-SLC43A2 antibody	Suitable for use in Western Blot, Flow Cytometry, ELISA Dilution: ELISA: 1:1,000 Western Blot: 1:100-500 Flow Cytometry: 1:10-50
Related Product Information for anti-SLC43A2 antibody	MBS6012313 is an antibody targeting SLC43A2. Also known as SLC43A2, ID (LAT4, Large neutral amino acids transporter small subunit 4, L-type amino acid transporter 4, Solute carrier family 43 member 2). Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-SLC43A2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-SLC43A2 antibody
Western Blot analysis in mouse lung tissue lysates (15ug/lane) using MBS6012313. This demonstrates that MBS6012313 detected SLC43A2 protein (arrow).



Flow Cytometry (FC/FACS) of anti-SLC43A2 antibody
Flow Cytometric analysis of Jurkat cells using MBS6012313 (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SLC43A2. It may not necessarily be applicable to this product.

NCBI GI #	47938334
NCBI GeneID	124935
NCBI Accession #	AAH71859.1
UniProt Primary Accession #	Q8N370
UniProt Secondary Accession #	Q5CD75; Q6IPM1; Q8NBX1; Q8NC21; Q8WZ00; D3DTH9
UniProt Related Accession #	Q8N370
NCBI Official Full Name	SLC43A2 protein
NCBI Official Synonym Full Names	solute carrier family 43 (amino acid system L transporter), member 2
NCBI Official Symbol	SLC43A2
NCBI Official Synonym Symbols	LAT4
UniProt Protein Name	Large neutral amino acids transporter small subunit 4
UniProt Synonym Protein Names	L-type amino acid transporter 4; Solute carrier family 43 member 2
Protein Family	Large neutral amino acids transporter
UniProt Gene Name	SLC43A2
UniProt Synonym Gene Names	LAT4
UniProt Entry Name	LAT4_HUMAN
NCBI Protein Information	large neutral amino acids transporter small subunit 4; amino acid transporter; L-type amino acid transporter 4; solute carrier family 43, member 2
NCBI Summary for SLC43A2	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]

UniProt Comments for SLC43A2	SLC43A2: Sodium-, chloride-, and pH-independent high affinity transport of large neutral amino acids. Belongs to the SLC43A transporter (TC 2.A.1.44) family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, multi-pass; Membrane protein, integral; Transporter; Transporter, SLC family Chromosomal Location of Human Ortholog: 17p13.3 Cellular Component: plasma membrane; integral to membrane Molecular Function: L-amino acid transmembrane transporter activity Biological Process: amino acid transport; ion transport; transmembrane transport
Research Articles on SLC43A2	**1.** Observational study of gene-disease association, gene-environment interaction, and pharmacogenomic / toxicogenomic. (HuGE Navigator)
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