

Rabbit SLC43A2 Polyclonal Antibody | anti-SLC43A2 antibody

SLC43A2 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288333	Rabbit	Human, Mouse; Predicted: Bovine	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

SLC43A2; Polyclonal Antibody; SLC43A2 Antibody (Center); Large neutral amino acids transporter small subunit 4; L-type amino acid transporter 4; Solute carrier family 43 member 2; LAT4; anti-SLC43A2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse; Predicted: Bovine
Clonality	Polyclonal
Isotype	IgG
Specificity	This SLC43A2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 236-265 amino acids from the Central region of human SLC43A2.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Length	569
Applicable Applications for anti-SLC43A2 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Region	236-265
Function	Uniporter that mediates the transport of the stereospecific L-phenylalanine, L-methionine and L-branched-chain amino acids, between the extracellular space and the cytoplasm and may control the transepithelial (re)absorption of neutral amino acid in kidney and small intestine (PubMed:30379325, PubMed:15659399). The transport activity is mediated through facilitated diffusion and is sodium ions-, chloride ions- and pH-independent (PubMed:15659399).
Cellular Location	Cell membrane; Multi-pass membrane protein. Basolateral cell membrane {ECO:0000250 UniProtKB:Q8CGA3}. Note=Located at the basolateral membrane in the small intestine enterocytes, kidney proximal tubule, thick ascending limb and, to a minor extent, of distal convoluted tubule epithelial cells. {ECO:0000250 UniProtKB:Q8CGA3}
Tissue Location	Detected in several tissues with higher expression in placenta, kidney and peripheral blood leukocytes (PubMed:15659399) In the kidney, is detected in epithelial cells of the distal tubule and collecting duct (PubMed:15659399). In the intestine, is expressed mainly in crypt cells of the intestinal microvilli and epithelial cells in the base of the villus (PubMed:15659399).
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)
SLC43A2 Antibody (Center) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
SLC43A2 Antibody (Center) western blot analysis in mouse lung tissue lysates (15ug/lane).This demonstrates the SLC43A2 antibody detected SLC43A2 protein (arrow).

ADDITIONAL INFORMATION

Product Categories/Family for anti-SLC43A2 antibody	Metabolism; Signal Transduction
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NCBI AND UNIPROT INFORMATION

NCBI GI #	22748751
NCBI GeneID	124935
NCBI Accession #	NP_689559.1
NCBI GenBank Nucleotide #	NM_152346.2
UniProt Accession #	Q8N370; Q5CD75; Q6IPM1; Q8NBX1; Q8NC21; Q8WZ00; B7Z6X9; C9JNU8; D3DTH9
Molecular Weight	62747
NCBI Official Full Name	large neutral amino acids transporter small subunit 4 isoform 2
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
NCBI Protein Information	large neutral amino acids transporter small subunit 4
UniProt Protein Name	Large neutral amino acids transporter small subunit 4
UniProt Gene Name	SLC43A2
UniProt Synonym Gene Names	LAT4
UniProt Entry Name	LAT4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/slc43a2-antibody-flow-cytometry-western-blot-elisa/288333>