

**SLC43A2 Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP10062c****Specification**

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**SLC43A2 Antibody (Center) Blocking peptide - Product Information**

Primary Accession [Q8N370](#)  
Other Accession [NP\\_689559.1](#)

**SLC43A2 Antibody (Center) Blocking peptide - Additional Information**

**Gene ID** 124935

**Other Names**

Large neutral amino acids transporter small subunit 4, L-type amino acid transporter 4, Solute carrier family 43 member 2, SLC43A2, LAT4

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**SLC43A2 Antibody (Center) Blocking peptide - Protein Information**

**Name** SLC43A2 ([HGNC:23087](#))

**Synonyms** LAT4

**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:<a href="http://www.uniprot.org/citations/30379325" target="\_blank">30379325</a>, PubMed:<a href="http://www.uniprot.org/citations/15659399" target="\_blank">15659399</a>). The transport activity is mediated through facilitated diffusion and is sodium ions-, chloride ions- and pH-independent (PubMed:<a href="http://www.uniprot.org/citations/15659399" target="\_blank">15659399</a>).

**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)

**SLC43A2 Antibody (Center) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**SLC43A2 Antibody (Center) Blocking peptide - Images**