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# SLC43A2 Antibody (Center) Blocking peptide

**Synthetic peptide**
**Catalog # BP10062c**

## Specification

### 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}

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**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