10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SLC23A2 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP8652a

Specification

SLC23A2 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q9UGH3

SLC23A2 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 9962

Other Names
Solute carrier family 23 member 2, Na(+)/L-ascorbic acid transporter 2, Nucleobase transporter-like 1 protein, Sodium-dependent vitamin C transporter 2, hSVCT2, Yolk sac permease-like molecule 2, SLC23A2, KIAA0238, NBTL1, SLC23A1, SVCT2, YSPL2

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP8652a was selected from the N-term region of human SLC23A2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

SLC23A2 Antibody (N-term) Blocking Peptide - Protein Information

Name SLC23A2

Function
Sodium/ascorbate cotransporter (PubMed:10471399, PubMed:10556521). Mediates electrogenic uptake of vitamin C, with a stoichiometry of 2 Na(+) for each ascorbate (PubMed:10471399).

Cellular Location
Cell membrane; Multi-pass membrane protein

Tissue Location

Ubiquitous..

SLC23A2 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

SLC23A2 Antibody (N-term) Blocking Peptide - Images

SLC23A2 Antibody (N-term) Blocking Peptide - Background

The absorption of vitamin C into the body and its distribution to organs requires two sodium-dependent vitamin C transporters. TSLC23A2 accounts for tissue-specific uptake of vitamin C.

SLC23A2 Antibody (N-term) Blocking Peptide - References

Hogue,D.L. ,et.al., Genomics 59 (1), 18-23 (1999)