

SLC6A20 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP13608b

Specification

SLC6A20 Antibody (C-term) Blocking peptide - Product Information

Primary Accession [O9NP91](#)

SLC6A20 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 54716

Other Names

Sodium- and chloride-dependent transporter XTRP3, Sodium/imino-acid transporter 1, Solute carrier family 6 member 20, Transporter rB21A homolog, SLC6A20, SIT1, XT3, XTRP3

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13608b was selected from the C-term region of SLC6A20. 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.

SLC6A20 Antibody (C-term) Blocking peptide - Protein Information

Name SLC6A20

SLC6A20 Antibody (C-term) Blocking peptide - Background

Transport of small hydrophilic substances across cellmembranes is mediated by substrate-specific transporter proteinswhich have been classified into several families of related genes.The protein encoded by this gene is a member of the subgroup oftransporter with unidentified substrates within the Na⁺ and Cl-coupled transporter family. This gene is expressed in kidney, andits alternative splicing generates 2 transcript variants. [providedby RefSeq].

SLC6A20 Antibody (C-term) Blocking peptide - References

Broer, A., et al. Mol. Membr. Biol. 26(5):333-346(2009)Broer, S. Physiol. Rev. 88(1):249-286(2008)Takanaga, H., et al. J. Biol. Chem. 280(10):8974-8984(2005)Kanei-Ishii, C., et al. J. Biol. Chem. 279(43):44582-44589(2004)Kiss, H., et al. Genomics 73(1):10-19(2001)

Synonyms SIT1, XT3, XTRP3

Function

Mediates the calcium-dependent uptake of imino acids such as L-proline, N-methyl-L-proline and pipecolate as well as N-methylated amino acids. Involved in the transport of glycine.

Cellular Location

Apical cell membrane; Multi-pass membrane protein. Note=Located in the apical brush border membrane of kidney proximal tubule cells.

Tissue Location

Kidney and small intestine. Expressed in the S3 segment of the proximal tubule.

SLC6A20 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)