

SLC6A14 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP12976b**Specification**

SLC6A14 Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [Q9UN76](#)**SLC6A14 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 11254**Other Names**

Sodium- and chloride-dependent neutral and basic amino acid transporter B(0+), Amino acid transporter ATB0+, Solute carrier family 6 member 14, SLC6A14

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.

SLC6A14 Antibody (C-term) Blocking peptide - Protein Information**Name** SLC6A14 ([HGNC:11047](#))**Function**

Amino acid transporter that plays an important role in the absorption of amino acids in the intestinal tract. Mediates the uptake of a broad range of neutral and cationic amino acids (with the exception of proline) in a Na(+)/Cl(-)-dependent manner (PubMed:10446133). Transports non-alpha-amino acids such as beta- alanine with low affinity, and has a higher affinity for dipolar and cationic amino acids such as leucine and lysine (PubMed:18599538). Can also transport carnitine, butyrylcarnitine and propionylcarnitine coupled to the transmembrane gradients of Na(+) and Cl(-) (PubMed:17855766).

Cellular Location

Membrane; Multi- pass membrane protein. Apical cell membrane {ECO:0000250|UniProtKB:Q9JMA9}; Multi-pass membrane protein

Tissue Location

Levels are highest in adult and fetal lung, in trachea and salivary gland. Lower levels detected in

mammary gland, stomach and pituitary gland, and very low levels in colon, uterus, prostate and testis.

SLC6A14 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

SLC6A14 Antibody (C-term) Blocking peptide - Images

SLC6A14 Antibody (C-term) Blocking peptide - Background

This gene encodes a member of the solute carrier family 6. Members of this family are sodium and chloride dependent neurotransmitter transporters. The encoded protein transports both neutral and cationic amino acids. This protein may also function as a beta-alanine carrier. Mutations in this gene may be associated with X-linked obesity. A pseudogene of this gene is found on chromosome X.

SLC6A14 Antibody (C-term) Blocking peptide - References

Bailey, S.D., et al. Diabetes Care (2010) In press :Corpeleijn, E., et al. Obesity (Silver Spring) 18(7):1369-1377(2010)Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)Anderson, C.M., et al. J. Physiol. (Lond.) 586 (PT 17), 4061-4067 (2008) :Eriksson, A., et al. BMC Gastroenterol 8, 34 (2008) :