

SLC19A3 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP5345c**Specification**

SLC19A3 Antibody (Center) Blocking peptide - Product Information

Primary Accession [O9BZV2](#)
Other Accession [NP_079519.1](#)

SLC19A3 Antibody (Center) Blocking peptide - Additional Information

Gene ID 80704

Other Names

Thiamine transporter 2, ThTr-2, ThTr2, Solute carrier family 19 member 3, SLC19A3

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.

SLC19A3 Antibody (Center) Blocking peptide - Protein Information

Name SLC19A3

Function

Mediates high affinity thiamine uptake, probably via a proton anti-port mechanism (PubMed:11731220, PubMed:33008889, PubMed:35512554, PubMed:35724964). Has no folate transport activity (PubMed:11731220). Mediates H(+)-dependent pyridoxine transport (PubMed:33008889, PubMed:35512554, PubMed:35724964, PubMed:36456177).

Cellular Location

Membrane; Multi-pass membrane protein

Tissue Location

Widely expressed but most abundant in placenta, kidney and liver.

SLC19A3 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

SLC19A3 Antibody (Center) Blocking peptide - Images

SLC19A3 Antibody (Center) Blocking peptide - Background

SLC19A3 encodes a ubiquitously expressed transmembrane thiamine transporter that lacks folate transport activity.

SLC19A3 Antibody (Center) Blocking peptide - References

Mee, L., et al. Am. J. Physiol. Gastrointest. Liver Physiol. 297 (1), G197-G206 (2009) Liu, X., et al. Tumour Biol. 30 (5-6), 242-248 (2009) Subramanian, V.S., et al. J. Physiol. (Lond.) 582 (PT 1), 73-85 (2007)