

SLC25A19 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP5269b

Specification

SLC25A19 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [O9HC21](#)

SLC25A19 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 60386

Other Names

Mitochondrial thiamine pyrophosphate carrier, Mitochondrial uncoupling protein 1, Solute carrier family 25 member 19, SLC25A19, DNC, MUP1

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.

SLC25A19 Antibody (C-term) Blocking Peptide - Protein Information

Name SLC25A19 ([HGNC:14409](#))

Function

Mitochondrial transporter mediating uptake of thiamine diphosphate into mitochondria. It is not clear if the antiporter activity is affected by the membrane potential or by the proton electrochemical gradient.

Cellular Location

Mitochondrion membrane; Multi-pass membrane protein

Tissue Location

Expressed in all tissues examined except for placenta. Highest levels in colon, kidney, lung, testis, spleen, and brain.

SLC25A19 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SLC25A19 Antibody (C-term) Blocking Peptide - Images

SLC25A19 Antibody (C-term) Blocking Peptide - Background

SLC25A19 encodes a mitochondrial protein that is a member of the solute carrier family. Although this protein was initially thought to be the mitochondrial deoxynucleotide carrier involved in the uptake of deoxynucleotides into the matrix of the mitochondria, further studies have demonstrated that this protein instead functions as the mitochondrial thiamine pyrophosphate carrier, which transports thiamine pyrophosphates into mitochondria.

SLC25A19 Antibody (C-term) Blocking Peptide - References

Spiegel, R., et al. Ann. Neurol. 66(3):419-424(2009)Kang, J., et al. Mitochondrion
8(2):103-108(2008)Lindhurst, M.J., et al. Proc. Natl. Acad. Sci. U.S.A. 103(43):15927-15932(2006)