

TXTP Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP5489c**Specification**

TXTP Antibody (Center) Blocking peptide - Product Information

Primary Accession [P53007](#)
Other Accession [NP_005975.1](#)

TXTP Antibody (Center) Blocking peptide - Additional Information

Gene ID 6576

Other Names

Tricarboxylate transport protein, mitochondrial, Citrate transport protein, CTP, Solute carrier family 25 member 1, Tricarboxylate carrier protein, SLC25A1, SLC20A3

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.

TXTP Antibody (Center) Blocking peptide - Protein Information

Name SLC25A1

Synonyms SLC20A3

Function

Mitochondrial electroneutral antiporter that exports citrate from the mitochondria into the cytosol in exchange for malate (PubMed: [26870663](http://www.uniprot.org/citations/26870663), PubMed: [29031613](http://www.uniprot.org/citations/29031613), PubMed: [29238895](http://www.uniprot.org/citations/29238895), PubMed: [39881208](http://www.uniprot.org/citations/39881208)). Also able to mediate the exchange of citrate for isocitrate, phosphoenolpyruvate, cis-aconitate and to a lesser extent trans- aconitate, maleate and succinate (PubMed: [29031613](http://www.uniprot.org/citations/29031613)). In the cytoplasm, citrate plays important roles in fatty acid and sterol synthesis, regulation of glycolysis, protein acetylation, and other physiopathological processes (PubMed: [29031613](http://www.uniprot.org/citations/29031613), PubMed: [29238895](http://www.uniprot.org/citations/29238895), PubMed: [39881208](http://www.uniprot.org/citations/39881208)).

Cellular Location

Mitochondrion inner membrane {ECO:0000250|UniProtKB:Q8JZU2}; Multi-pass membrane protein

TXTP Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

TXTP Antibody (Center) Blocking peptide - Images