10320 Camino Santa Fe, Suite G
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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:29031613, PubMed:29238895). Also able to mediate the exchange of citrate for isocitrate, phosphoenolpyruvate, cis-aconitate and to a lesser extend cis-aconitate, maleate and succinate (PubMed:29031613). In the cytoplasm citrate is important in the regulation of glycolysis through a feedback mechanism and in the production of acetyl-CoA which is needed for the synthesis of fatty acids, sterols, prostaglandins, dolichol and coenzyme Q (CoQ). Required for proper neuromuscular junction formation (Probable).

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

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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