

**SLC25A10 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9894c****Specification**

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**SLC25A10 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q9UBX3](#)**SLC25A10 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 1468**Other Names**

Mitochondrial dicarboxylate carrier, Solute carrier family 25 member 10, SLC25A10, DIC

**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.

**SLC25A10 Antibody (Center) Blocking Peptide - Protein Information****Name** SLC25A10**Synonyms** DIC**Function**

Catalyzes the electroneutral exchange or flux of physiologically important metabolites such as dicarboxylates (malonate, malate, succinate), inorganic sulfur-containing anions, and phosphate, across mitochondrial inner membrane (PubMed:<a href="http://www.uniprot.org/citations/29211846" target="\_blank">29211846</a>). Plays an important role in gluconeogenesis, fatty acid metabolism, urea synthesis, and sulfur metabolism, particularly in liver, by supplying the substrates for the different metabolic processes. Regulates fatty acid release from adipocytes, and contributes to systemic insulin sensitivity (By similarity).

**Cellular Location**

Mitochondrion inner membrane; Multi-pass membrane protein

**Tissue Location**

Present in high amounts in liver and kidney, and at lower levels in all the other tissues analyzed

## **SLC25A10 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **SLC25A10 Antibody (Center) Blocking Peptide - Images**

## **SLC25A10 Antibody (Center) Blocking Peptide - Background**

The dicarboxylate carrier catalyzes the transport of dicarboxylates such as malate and succinate across the mitochondrial membrane in exchange for phosphate, sulfate, and thiosulfate, thus supplying substrates for the Krebs cycle, gluconeogenesis, urea synthesis, and sulfur metabolism.

## **SLC25A10 Antibody (Center) Blocking Peptide - References**

Xin, X., et al. Genome Res. 19(7):1262-1269(2009)Khanna, H., et al. J. Biol. Chem. 280(39):33580-33587(2005)Mizuarai, S., et al. J. Biol. Chem. 280(37):32434-32441(2005)