

SLC16A3 Antibody (C-term) Blocking peptide

Synthetic peptide

Catalog # BP12397b

Specification**SLC16A3 Antibody (C-term) Blocking peptide - Product Information**Primary Accession [O15427](#)**SLC16A3 Antibody (C-term) Blocking peptide - Additional Information**

Gene ID 9123

Other NamesMonocarboxylate transporter 4, MCT 4,
Solute carrier family 16 member 3,
SLC16A3, MCT4**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.

SLC16A3 Antibody (C-term) Blocking peptide - Protein Information

Name SLC16A3

Synonyms MCT4

Function

Proton-linked monocarboxylate transporter. Catalyzes the rapid transport across the plasma membrane of many monocarboxylates such as lactate, pyruvate, branched-chain oxo acids derived from leucine, valine and isoleucine, and the ketone bodies acetoacetate,

SLC16A3 Antibody (C-term) Blocking peptide - Background

Lactic acid and pyruvate transport across plasma membranes catalyzed by members of the proton-linked monocarboxylate transporter (MCT) family, which has been designated solute carrier family-16. Each MCT appears to have slightly different substrate and inhibitor specificities and transport kinetics, which are related to the metabolic requirements of the tissues in which it is found. The MCTs, which include MCT1 (SLC16A1; MIM 600682) and MCT2 (SLC16A7; MIM 603654), are characterized by 12 predicted transmembrane domains (Price et al., 1998 [PubMed9425115]).

SLC16A3 Antibody (C-term) Blocking peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Vellonen, K.S., et al. Eur J Pharm Sci 39(4):241-247(2010)
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
Wang, Q., et al. Drug Metab. Dispos. 35(8):1393-1399(2007)
Olsen, J.V., et al. Cell 127(3):635-648(2006)

beta-hydroxybutyrate and acetate (By similarity).

Cellular Location

Cell membrane; Multi-pass membrane protein.

Tissue Location

Highly expressed in skeletal muscle.

SLC16A3 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)