

OST alpha Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP9838b**Specification**

OST alpha Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q86UW1](#)**OST alpha Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 200931**Other Names**

Organic solute transporter subunit alpha, OST-alpha, Solute carrier family 51 subunit alpha, SLC51A, OSTA

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.

OST alpha Antibody (C-term) Blocking Peptide - Protein Information**Name** SLC51A**Synonyms** OSTA**Function**

Essential component of the Ost-alpha/Ost-beta complex, a heterodimer that acts as the intestinal basolateral transporter responsible for bile acid export from enterocytes into portal blood (PubMed:16317684). Efficiently transports the major species of bile acids (taurocholate) (PubMed:16317684). Taurine conjugates are transported more efficiently across the basolateral membrane than glycine-conjugated bile acids (By similarity). Can also transport steroids such as estrone 3-sulfate and dehydroepiandrosterone 3- sulfate, therefore playing a role in the enterohepatic circulation of sterols (PubMed:16317684). Able to transport eicosanoids such as prostaglandin E2 (By similarity).

Cellular Location

Cell membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein Note=Transported from the endoplasmic reticulum to the plasma membrane

upon interacting with SLC51B (By similarity). Mainly restricted to the lateral and basal membranes of ileal enterocytes.

Tissue Location

Widely expressed with a high expression in ileum. Expressed in testis, colon, liver, small intestine, kidney, ovary and adrenal gland; and at low levels in heart, lung, brain, pituitary, thyroid gland, uterus, prostate, mammary gland and fat

OST alpha Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

OST alpha Antibody (C-term) Blocking Peptide - Images**OST alpha Antibody (C-term) Blocking Peptide - References**

Renner, O., et al. J. Lipid Res. 49(9):2045-2054(2008) Soroka, C.J., et al. BMC Cell Biol. 9, 57 (2008)
Sun, A.Q., et al. Am. J. Physiol. Gastrointest. Liver Physiol. 292 (6), G1586-G1593 (2007) Boyer, J.L.,
et al. Am. J. Physiol. Gastrointest. Liver Physiol. 290 (6), G1124-G1130 (2006) Lim, J., et al. Cell
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