

SIA10 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP5077b**Specification**

SIA10 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q9Y274](#)**SIA10 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 10402**Other Names**

Type 2 lactosamine alpha-2, 3-sialyltransferase, 2499-, CMP-NeuAc:beta-galactoside alpha-2, 3-sialyltransferase VI, ST3Gal VI, ST3GalVI, Sialyltransferase 10, ST3GAL6, SIAT10

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.

SIA10 Antibody (C-term) Blocking Peptide - Protein Information**Name** ST3GAL6**Synonyms** SIAT10**Function**

Involved in the synthesis of sialyl-paragloboside, a precursor of sialyl-Lewis X determinant. Has a alpha-2,3- sialyltransferase activity toward Gal-beta1,4-GlcNAc structure on glycoproteins and glycolipids. Has a restricted substrate specificity, it utilizes Gal-beta1,4-GlcNAc on glycoproteins, and neolactotetraosylceramide and neolactohexaosylceramide, but not lactotetraosylceramide, lactosylceramide or asialo-GM1.

Cellular Location

Golgi apparatus membrane; Single- pass type II membrane protein

Tissue Location

Ubiquitous.

SIA10 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SIA10 Antibody (C-term) Blocking Peptide - Images

SIA10 Antibody (C-term) Blocking Peptide - Background

Sialyltransferases, such as ST3GAL6, catalyze the transfer of sialic acid from cytidine 5-prime monophospho-N-acetylneuraminic acid (CMP-NeuAc) to terminal positions of glycoprotein and glycolipid carbohydrate groups. Terminal NeuAc residues are key determinants of carbohydrate structures, such as the sialyl-Lewis X determinants, and are widely distributed in many cell types.

SIA10 Antibody (C-term) Blocking Peptide - References

Carvalho, A.S., et al. Int. J. Biochem. Cell Biol. 42(1):80-89(2010)Kawamura, Y.I., et al. Gastroenterology 135(1):142-151(2008)Okajima, T., et al. J. Biol. Chem. 274(17):11479-11486(1999)