10320 Camino Santa Fe, Suite G
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SIA10 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP5077b

Specification

SIA10 Antibody (C-term) Blocking Peptide - Product Information

Primary 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

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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)