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ST6GALNAC4 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP18979b

Specification

ST6GALNAC4 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q9H4F1

ST6GALNAC4 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 27090

Other Names
Alpha-N-acetyl-neuraminyl-2, 3-beta-galactosyl-1, 3-N-acetyl-galactosaminide alpha-2, 6-sialyltransferase, NeuAc-alpha-2, 3-Gal-beta-1, 3-GalNAc-alpha-2, 6-sialyltransferase, ST6GalNAc IV, ST6GalNAcIV, Sialyltransferase 3C, SIAT3-C, Sialyltransferase 7D, SIAT7-D, ST6GALNAC4, SIAT3C, SIAT7D

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.

ST6GALNAC4 Antibody (C-term) Blocking Peptide - Protein Information

Name ST6GALNAC4

Synonyms SIAT3C, SIAT7D

Function
Transfers the sialyl group (N-acetyl-alpha-neuraminyl or NeuAc) from CMP-NeuAc to the GalNAc residue on the NeuAc-alpha-2,3-Gal- beta-1,3-GalNAc sequence of glycoproteins and glycolipids forming an alpha-2,6-linkage. Produces branched type disialyl structures by transfer of a sialyl group onto a GalNAc residue inside the backbone core chains. Prefers O-glycans to glycoproteins or glycolipids.

Cellular Location
Golgi apparatus membrane; Single- pass type II membrane protein

Tissue Location
Ubiquitous.

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ST6GALNAC4 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

ST6GALNAC4 Antibody (C-term) Blocking Peptide - Images

ST6GALNAC4 Antibody (C-term) Blocking Peptide - Background

The protein encoded by this gene is a type II membraneprotein that catalyzes the transfer of sialic acid from CMP-sialicacid to galactose-containing substrates. The encoded proteinprefers glycoproteins rather than glycolipids as substrates andshows restricted substrate specificity, utilizing only thetrisaccharide sequence Neu5Ac-alpha-2,3-Gal-beta-1,3-GalNAc. Inaddition, it is involved in the synthesis of ganglioside GD1A fromGM1B. The encoded protein is normally found in the Golgi apparatusbut can be proteolytically processed to a soluble form. Thisprotein is a member of glycosyltransferase family 29. Transcriptvariants encoding different isoforms have been found for this gene.

ST6GALNAC4 Antibody (C-term) Blocking Peptide - References

Yoshino, H., et al. Brain Res. 1227, 216-220 (2008) :Olsen, J.V., et al. Cell 127(3):635-648(2006)Olsen, J.V., et al. Cell 127(3):635-648(2006)Wang, A.G., et al. Biochem. Biophys. Res. Commun. 345(3):1022-1032(2006)Kang, N.Y., et al. Mol. Cells 18(2):157-162(2004)