

ST6GALNAC4 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18979b**Specification**

ST6GALNAC4 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	O9H4F1
Other Accession	O9R2B6 , NP_778204.1
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	34201
Antigen Region	181-209

ST6GALNAC4 Antibody (C-term) - 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

Target/Specificity

This ST6GALNAC4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 181-209 amino acids from the C-terminal region of human ST6GALNAC4.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ST6GALNAC4 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ST6GALNAC4 Antibody (C-term) - 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

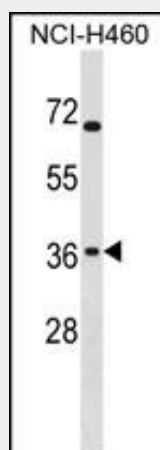
Ubiquitous.

ST6GALNAC4 Antibody (C-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ST6GALNAC4 Antibody (C-term) - Images



ST6GALNAC4 Antibody (C-term) (Cat. #AP18979b) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the ST6GALNAC4 antibody detected the ST6GALNAC4 protein (arrow).

ST6GALNAC4 Antibody (C-term) - Background

The protein encoded by this gene is a type II membrane protein that catalyzes the transfer of sialic acid from CMP-sialic acid to galactose-containing substrates. The encoded protein

prefers glycoproteins rather than glycolipids as substrates and shows restricted substrate specificity, utilizing only the trisaccharide sequence Neu5Ac- α -2,3-Gal- β -1,3-GalNAc. In addition, it is involved in the synthesis of ganglioside GD1A from GM1B. The encoded protein is normally found in the Golgi apparatus but can be proteolytically processed to a soluble form. This protein is a member of glycosyltransferase family 29. Transcript variants encoding different isoforms have been found for this gene.

ST6GALNAC4 Antibody (C-term) - 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)