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ST6GALNAC6 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI12731

Specification

ST6GALNAC6 antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q969X2
Other Accession	NM_013443, NP_038471
Reactivity	**Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog**
Predicted	**Mouse, Rabbit, Pig, Horse, Guinea Pig, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**38kDa KDa**

ST6GALNAC6 antibody - N-terminal region - Additional Information

Gene ID 30815

Alias Symbol **RP11-203J24.3, SIAT7F, ST6GALNACVI**

Other Names
Alpha-N-acetylgalactosaminide alpha-2, 6-sialyltransferase 6, 2.4.99.-, GalNAc alpha-2, 6-sialyltransferase VI, ST6GalNAc VI, ST6GalNAcVI, hST6GalNAc VI, Sialyltransferase 7F, SIAT7-F, ST6GALNAC6, SIAT7F

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-ST6GALNAC6 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
ST6GALNAC6 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

ST6GALNAC6 antibody - N-terminal region - Protein Information

Name ST6GALNAC6

Synonyms SIAT7F

Function
Transfers the sialyl group (N-acetyl-alpha-neuraminyl or NeuAc) from CMP-NeuAc onto glycoproteins and glycolipids, forming an alpha-2,6-linkage. Produces branched type disialyl structures by transfer of a sialyl group onto the GalNAc or GlcNAc residue inside backbone core

chains having a terminal sialic acid with an alpha-2,3- linkage on Gal. ST6GalNAcVI prefers glycolipids to glycoproteins, predominantly catalyzing the biosynthesis of ganglioside GD1alpha from GM1b (PubMed:12668675, PubMed:17123352). Besides GMb1, MSGG and other glycolipids, it shows activity towards sialyl Lc4Cer generating disialyl Lc4Cer, which can lead to the synthesis of disialyl Lewis a (Le(a)), suggested to be a cancer-associated antigen (PubMed:12668675). Also has activity toward GD1a and GT1b, and can generate DSGG (disialylgalactosylgloboside) from MSGG (monosialylgalactosylgloboside) (By similarity).

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

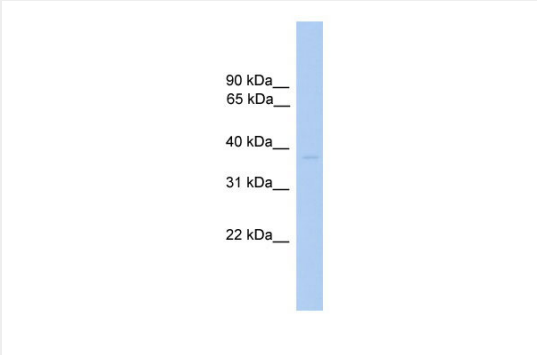
Tissue Location
Expressed in kidney, in proximal tubule epithelial cells. Expressed in colon cell lines.

ST6GALNAC6 antibody - N-terminal region - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ST6GALNAC6 antibody - N-terminal region - Images



WB Suggested Anti-ST6GALNAC6 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:312500
Positive Control: Human heart