

ST6GALNAC6 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12730**Specification**

ST6GALNAC6 antibody - C-terminal region - Product Information

Application	WB
Primary Accession	O969X2
Other Accession	NM_013443 , NP_038471
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rabbit, Pig, Horse, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38kDa KDa

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

ST6GALNAC6 antibody - C-terminal region - Protein Information**Name** ST6GALNAC6**Synonyms** SIAT7F**Function**

Transfers the sialyl group (N-acetyl-alpha-neuraminy) 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](http://www.uniprot.org/citations/12668675), PubMed: [17123352](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/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

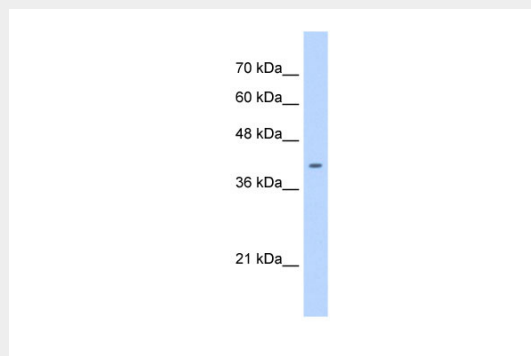
Expressed in kidney, in proximal tubule epithelial cells. Expressed in colon cell lines.

ST6GALNAC6 antibody - C-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 Cytometry](#)
- [Cell Culture](#)

ST6GALNAC6 antibody - C-terminal region - Images



WB Suggested Anti-ST6GALNAC6 Antibody Titration: 0.2-1 µg/ml

Positive Control: HepG2 cell lysate

ST6GALNAC6 antibody - C-terminal region - References

Senda, M., (2007) Biochem. J. 402(3), 459-470 Reconstitution and Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.