

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

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**ST6GALNAC6 antibody - C-terminal region - Product Information**

|                   |                                                                |
|-------------------|----------------------------------------------------------------|
| Application       | WB                                                             |
| Primary Accession | <a href="#">O969X2</a>                                         |
| Other Accession   | <a href="#">NM_013443</a> , <a href="#">NP_038471</a>          |
| 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

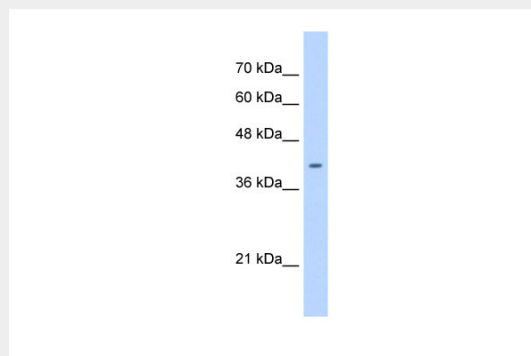
Expressed in kidney, in proximal tubule epithelial cells. Expressed in colon cell lines.

### 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.