

ST6GALNAC6 antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI12730

Product Information

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|-------------------|--|
| Application | WB |
| Primary Accession | Q969X2 |
| Other Accession | NM_013443 , NP_038471 |
| Reactivity | Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine |
| Predicted | Human, Mouse, Rabbit, Pig, Dog, Guinea Pig, Horse |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 38068 |

Additional Information

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|--------------------------|---|
| 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. |

Protein Information

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| 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 , 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

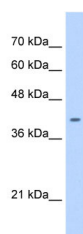
Tissue Location

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

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.

Images



WB Suggested Anti-ST6GALNAC6 Antibody Titration: 0.2-1 μ g/ml
Positive Control: HepG2 cell lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.