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# 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

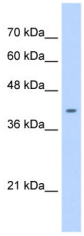
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| **Name** | ST6GALNAC6 |
| **Synonyms** | SIAT7F |
| **Function** | Transfers the sialyl group (N-acetyl-alpha-neuraminyl or NeuAc) from CMP-NeuAc onto glycoproteins and glycolipids, forming an alpha-2,6-linkage. Produces branched type disialyl structures 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 |

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| | 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),459-470ReconstitutionandStorage:Forshorttermuse,storeat2-8Cupto1week. Forlongtermstorage,storeat-20Cinsmallaliquotstopreventfreeze-thawcycles.

## Images




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

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