

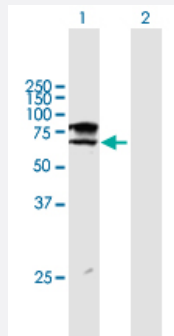
MaxPab®

# ST6GALNAC1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00055808-B01P

Size 50 ug

## Applications



### Western Blot (Transfected lysate)

Western Blot analysis of ST6GALNAC1 expression in transfected 293T cell line ([H00055808-T01](#)) by ST6GALNAC1 MaxPab polyclonal antibody.

Lane 1: ST6GALNAC1 transfected lysate(66 KDa).

Lane 2: Non-transfected lysate.

## Specification

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description           | Mouse polyclonal antibody raised against a full-length human ST6GALNAC1 protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Immunogen                     | ST6GALNAC1 (NP_060884.1, 1 a.a. ~ 600 a.a) full-length human protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Sequence                      | <p>                     MRSCLWRCRHLSQGVQWSLLAVLVFFLFALPSFIKEPQTKPSRHQRTENIKERSLQSLAKPKSQ<br/>                     APTRARRTTIYAEPVPENNALNTQTQPKAHTTGDRGKEANQAPPEEQDKVPHTAQRAAWKSPEK<br/>                     EKTVMNTLSPRGQDAGMASGRTEAQSWSQDQTKTTQGNNGGQTRKLTASRTVSEKHQGAATTA<br/>                     KTLIPKSQHRMLAPTGAIVSTRTRQKGVTTAVIPPKEKKPQATPPPAPFQSPTTQRNQRLKAANFK<br/>                     SEPRWDFEEKYSFEIGGLQTTCPDSVKIKASKSLWLQKLFPLNLTLFLDSRHFNQSEWDRLEHFA<br/>                     PPFGMELNYSLVQKVTRFPPVPQQQLLLASLPAGSLRCITCAVVGNGGILNNSHMQGEIDSHD<br/>                     YVFRLSGALIKGYEQDVGTRTSFYGFATFSLTQSLILGNRGFKNVPLGKDVRYLHFLEGTRDYEWL<br/>                     EALLMNQTVMSKNLFWFRHRPQEAFFREALHMDRYLLHPDFLRYMKNRFLRSKTLDGAAHWRIYR<br/>                     PTTGALLLLTALQLCDQVSAYGFITEGHERFSDHYDTSWKRLIFYINHDFKLEREVWKRLHDEGIIR<br/>                     LYQRPGPGTAKAKN                 </p> |
| Host                          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Reactivity                    | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Interspecies Antigen Sequence | Mouse (71); Rat (61)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

|                         |                                                                          |
|-------------------------|--------------------------------------------------------------------------|
| Quality Control Testing | Antibody reactive against mammalian transfected lysate.                  |
| Storage Buffer          | In 1x PBS, pH 7.4                                                        |
| Storage Instruction     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

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Lane 2: Non-transfected lysate.

[Protocol Download](#)

## Gene Info — ST6GALNAC1

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">55808</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| GeneBank Accession# | <a href="#">NM_018414.3</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Protein Accession#  | <a href="#">NP_060884.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene Name           | ST6GALNAC1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Gene Alias          | HSY11339, SIAT7A, ST6GalNAcI, STYI                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Gene Description    | ST6 (alpha-N-acetyl-neuraminy-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyl transferase 1                                                                                                                                                                                                                                                                                                                                                                              |
| Omim ID             | <a href="#">610138</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Gene Summary        | Glycosylation of proteins affects cell-cell interaction, interactions with the matrix, and the functions of intracellular molecules. ST6GALNAC1 transfers a sialic acid, N-acetylneuraminic acid (NeuAc), in an alpha-2,6 linkage to O-linked GalNAc residues. The cancer-associated sialyl-Tn (sTn) antigen is formed by ST6GALNAC1-catalyzed sialylation of GalNAc residues on mucins (Ikehara et al., 1999 [PubMed 10536037]; Sewell et al., 2006 [PubMed 16319059]).[supplied by OMIM] |
| Other Designations  | GalNAc alpha-2, 6-sialyltransferase II GalNAc alpha-2, 6-sialyltransferase I, long form alpha-N-acetyl galactosaminide alpha-2,6-sialyltransferase sialyltransferase 7 ((alpha-N-acetylneuraminy-2,3-beta-galactosyl-1,3)-N-acetyl galactosaminide alpha-2,6-sia                                                                                                                                                                                                                           |

## Pathway

- [Metabolic pathways](#)
- [O-Glycan biosynthesis](#)

## Disease

- [Tobacco Use Disorder](#)