

## Rabbit anti-Human ST6GAL1 Polyclonal Antibody | anti-ST6GAL1 antibody

Anti-ST6GAL1 Antibody, Rabbit Polyclonal

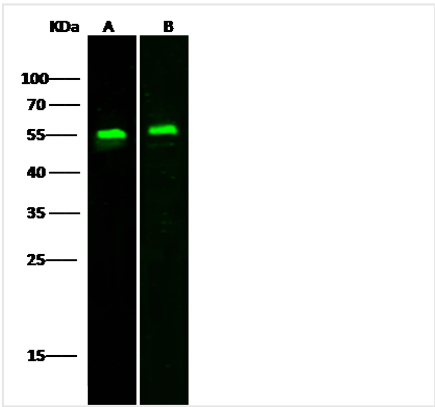
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                             |
|-----------|--------|------------|------------------------------------------|
| AAA255429 | Rabbit | Human      | Immunoprecipitation, ELISA, Western Blot |

### PRODUCT SYNONYMS

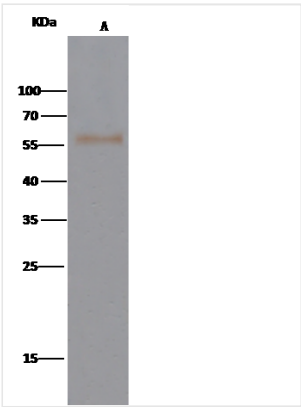
ST6GAL1; Polyclonal Antibody; Anti-ST6GAL1 Antibody; Rabbit Polyclonal; ST6GAL1/ST6GAL-I Antibody; Rabbit PAb; Antigen Affinity Purified; ST6 beta-galactosamide alpha-2; 6-sialyltransferase 1; Anti-SIAT1 Antibody; Anti-ST6GalI Antibody; Anti-ST6N Antibody; anti-ST6GAL1 antibody

### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                                                                                                                                                                       |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                              | Rabbit                                                                                                                                                                                                                                                                |
| Reactivity                                        | Human                                                                                                                                                                                                                                                                 |
| Clonality                                         | Polyclonal                                                                                                                                                                                                                                                            |
| Isotype                                           | Rabbit IgG                                                                                                                                                                                                                                                            |
| Specificity                                       | Human ST6GAL1/ST6GAL-I                                                                                                                                                                                                                                                |
| Purity/Purification                               | Protein A & Antigen Affinity                                                                                                                                                                                                                                          |
| Form/Format                                       | Liquid; 0.2um filtered solution in PBS                                                                                                                                                                                                                                |
| Applicable Applications for anti-ST6GAL1 antibody | IP (Immunoprecipitation), ELISA, WB (Western Blot)                                                                                                                                                                                                                    |
| Immunogen                                         | Recombinant Human ST6GAL1/ST6GAL-I protein                                                                                                                                                                                                                            |
| Conjugation                                       | Unconjugated                                                                                                                                                                                                                                                          |
| Preparation                                       | Produced in rabbits immunized with purified, recombinant Human ST6GAL1/ST6GAL-I (rh ST6GAL1/ST6GAL-I). ST6GAL1/ST6GAL-I specific IgG was purified by Human ST6GAL1/ST6GAL-I affinity chromatography.                                                                  |
| Preparation and Storage                           | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. |



**WB (Western Blot)**  
Anti-ST6GAL1 rabbit polyclonal antibody at 1:500 dilution  
Lane A: HepG2 Whole Cell Lysate  
Lane B: 293T Whole Cell Lysate  
Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 47 kDa  
Observed band size: 55 kDa



**IP (Immunoprecipitation)**  
ST6GAL1 was immunoprecipitated using: Lane A: 0.5 mg HepG2 Whole Cell Lysate  
2 uL anti-ST6GAL1 rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose.  
Primary antibody: Anti-ST6GAL1 rabbit polyclonal antibody, at 1:200 dilution  
Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:1000 dilution  
Developed using the DAB staining technique. Performed under reducing conditions. Predicted band size: 47 kDa  
Observed band size: 47 kDa

ADDITIONAL INFORMATION

|                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-ST6GAL1 antibody</b> | Beta-galactoside alpha-2, 6-sialyltransferase 1, also known as B-cell antigen CD75, Sialyltransferase 1, CMP-N-acetylneuraminate-beta-galactosamide-alpha-2, 6-sialyltransferase 1, ST6GAL1 and SIAT1, is a single-pass type II membrane protein that belongs to the glycosyltransferase 29 family. Sialyltransferases are key enzymes in the biosynthesis of sialoglycoconjugates that catalyze the transfer of sialic residue from its activated form to an oligosaccharidic acceptor. ST6GAL1/SIAT1 is normally found in the Golgi but can be proteolytically processed to a soluble form. It is involved in the generation of the cell-surface carbohydrate determinants and differentiation antigens HB-6, CDw75, and CD76. beta-Galactoside alpha2, 6-sialyltransferases ST6GAL1 and ST6GAL2 are the two unique members of the ST6GAL family described in higher vertebrates. ST6GAL1/SIAT1 transfers sialic acid from the donor of substrate CMP-sialic acid to galactose containing acceptor substrates. |
| <b>References</b>                                            | Collins, B.E. et al., 2006, Nat Immunol. 7(2):199-206. Videira, P.A. et al., 2008, Glycoconj J. 25(3): 259-68. Petit, D. et al., 2010, J Biol Chem. 285(49): 38399-414. Kroes, R.A. et al., 2010, Proc Natl Acad Sci USA.107(28):12646-51.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

NCBI AND UNIPROT INFORMATION

|                                         |                                                                                                                                                                                                                                                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NCBI GI #</b>                        | 4506949                                                                                                                                                                                                                                                         |
| <b>NCBI GeneID</b>                      | 6480                                                                                                                                                                                                                                                            |
| <b>NCBI Accession #</b>                 | NP_003023.1                                                                                                                                                                                                                                                     |
| <b>NCBI GenBank Nucleotide #</b>        | NM_003032.2                                                                                                                                                                                                                                                     |
| <b>UniProt Accession #</b>              | P15907; A8KA14; D3DNV3                                                                                                                                                                                                                                          |
| <b>Molecular Weight</b>                 | 46,605 Da                                                                                                                                                                                                                                                       |
| <b>NCBI Official Full Name</b>          | beta-galactoside alpha-2,6-sialyltransferase 1 isoform a                                                                                                                                                                                                        |
| <b>NCBI Official Synonym Full Names</b> | ST6 beta-galactosamide alpha-2,6-sialyltransferase 1                                                                                                                                                                                                            |
| <b>NCBI Official Symbol</b>             | ST6GAL1                                                                                                                                                                                                                                                         |
| <b>NCBI Official Synonym Symbols</b>    | ST6N; SIAT1; ST6GalI                                                                                                                                                                                                                                            |
| <b>NCBI Protein Information</b>         | beta-galactoside alpha-2,6-sialyltransferase 1; ST6Gal I; alpha 2,6-ST 1; B-cell antigen CD75; sialyltransferase 1 (beta-galactoside alpha-2,6-sialyltransferase); CMP-N-acetylneuraminate beta-galactosamide alpha-2,6-sialyltransferase; CMP-N-acetylneuramin |
| <b>UniProt Protein Name</b>             | Beta-galactoside alpha-2,6-sialyltransferase 1                                                                                                                                                                                                                  |

|                            |                                |
|----------------------------|--------------------------------|
| UniProt Gene Name          | ST6GAL1                        |
| UniProt Synonym Gene Names | SIAT1; Alpha 2,6-ST 1; ST6GalI |
| UniProt Entry Name         | SIAT1_HUMAN                    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/polyclonal/st6gal1-antibody-immunoprecipitation-western-blot-elisa/255429>