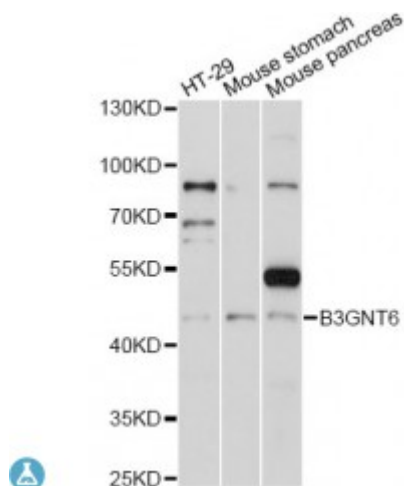


## Anti-B3GNT6 Antibody



### Description

The protein encoded by this gene is a beta-1,3-N-acetylglucosaminyltransferase that adds an N-acetylglucosamine moiety to N-acetylgalactosamine-modified serine or threonine. The encoded enzyme is responsible for creating the core 3 structure of O-glycans, which are important components of mucin-type glycoproteins.

|                           |                                                                                                                                          |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Model</b>              | STJ117173                                                                                                                                |
| <b>Host</b>               | Rabbit                                                                                                                                   |
| <b>Reactivity</b>         | Human, Mouse                                                                                                                             |
| <b>Applications</b>       | WB                                                                                                                                       |
| <b>Immunogen</b>          | Recombinant fusion protein containing a sequence corresponding to amino acids 30-200 of human B3GNT6 (NP_619651.3).                      |
| <b>Gene ID</b>            | <a href="#">192134</a>                                                                                                                   |
| <b>Gene Symbol</b>        | <a href="#">B3GNT6</a>                                                                                                                   |
| <b>Dilution range</b>     | WB 1:500 - 1:2000                                                                                                                        |
| <b>Tissue Specificity</b> | Present in stomach and colon (at protein level), Restricted in the stomach, colon and small intestine, where core 3 structure is present |
| <b>Purification</b>       | Affinity purification                                                                                                                    |
| <b>Note</b>               | For Research Use Only (RUO).                                                                                                             |
| <b>Protein Name</b>       | Acetylgalactosaminyl-O-glycosyl-glycoprotein beta-1,3-N-acetylglucosaminyltransferase                                                    |
| <b>Molecular Weight</b>   | 42.748 kDa                                                                                                                               |

|                              |                                                                                                                                                                                                                                                              |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Clonality</b>             | Polyclonal                                                                                                                                                                                                                                                   |
| <b>Conjugation</b>           | Unconjugated                                                                                                                                                                                                                                                 |
| <b>Isotype</b>               | IgG                                                                                                                                                                                                                                                          |
| <b>Formulation</b>           | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                                                                                                                                                                                            |
| <b>Storage Instruction</b>   | Store at -20C. Avoid freeze / thaw cycles.                                                                                                                                                                                                                   |
| <b>Database Links</b>        | <a href="#">HGNC:24141OMIM:615315Reactome:R-HSA-913709</a>                                                                                                                                                                                                   |
| <b>Alternative Names</b>     | Acetylgalactosaminyl-O-glycosyl-glycoprotein beta-1,3-N-acetylglucosaminyltransferase                                                                                                                                                                        |
| <b>Function</b>              | Beta-1,3-N-acetylglucosaminyltransferase that synthesizes the core 3 structure of the O-glycan, an important precursor in the biosynthesis of mucin-type glycoproteins, Plays an important role in the synthesis of mucin-type O-glycans in digestive organs |
| <b>Cellular Localization</b> | Golgi apparatus membrane                                                                                                                                                                                                                                     |

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