

Human/Rat β-1,3-N-acetylglucosaminyltransferase 2/B3GNT2 Antibody

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF3960

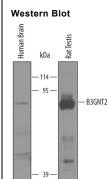
| DESCRIPTION | | | |
|--------------------|--|--|--|
| Species Reactivity | Human/Rat | | |
| Specificity | Detects human and rat β-1,3-N-acetylglucosaminyltransferase 2/B3GNT2 in Western blots. | | |
| Source | Polyclonal Goat IgG | | |
| Purification | Antigen Affinity-purified | | |
| Immunogen | Mouse myeloma cell line NS0-derived recombinant human β-1,3-N-acetylglucosaminyltransferase 2/B3GNT2 Lys29-Cys397 Accession # Q9NY97 | | |
| Formulation | Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS. | | |

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

| | Recommended Concentration | Sample |
|--------------|------------------------------|-----------|
| Western Blot | 1 μg/mL | See Below |

DATA



Detection of Human and Rat β -1,3-N-acetylglucosaminyltransferase 2/B3GNT2 by Western Blot. Western blot shows lysates of human brain tissue and rat testis tissue. PVDF membrane was probed with 1 μ g/mL of Goat Anti-Human β -1,3-N-acetylglucosaminyltransferase 2/B3GNT2 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3960) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF019). A specific band was detected for β -1,3-N-acetylglucosaminyltransferase 2/B3GNT2 at approximately 80 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 8.

PREPARATION AND STORAGE

Reconstitution Reconstitute at 0.2 mg/mL in sterile PBS

Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

Stability & Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

B3-GNT (also B3GNT-2) is an 80 kDa (45 kDa without glycosylation) type II transmembrane Golgi enzyme that belongs to the glycosyltransferase 31 family of enzymes. It catalyzes the transfer of N-acetyl glucosamine from UDP-GlcNAc onto Gal beta 3(GlcNAc beta 6)GalNAc-mucin. It functions in the elongation and branching of O-linked oligosaccharide chains of mucin glycoproteins. Over aa 29-397, human B3GNT2 shares 88% aa sequence identity with rat B3GNT2.

