

DESCRIPTION

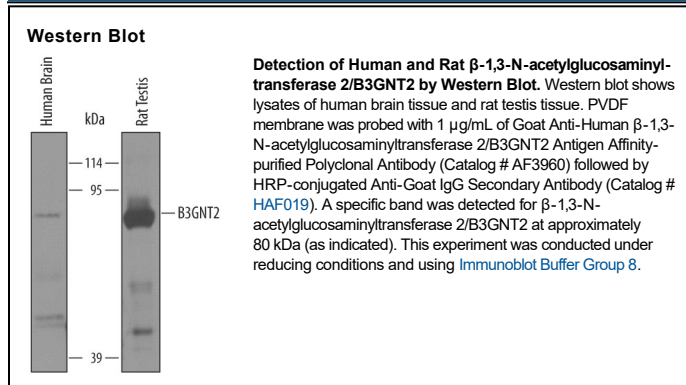
Species Reactivity	Human/Rat
Specificity	Detects human and rat β -1,3-N-acetylglucosaminyltransferase 2/B3GNT2 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human β -1,3-N-acetylglucosaminyltransferase 2/B3GNT2 Lys29-Cys397 Accession # Q9NY97
Formulation	Lyophilized from a 0.2 μ m 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 μ m 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 μ g/mL	See Below

DATA



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 $^{\circ}$ C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 $^{\circ}$C as supplied. ● 1 month, 2 to 8 $^{\circ}$C under sterile conditions after reconstitution. ● 6 months, -20 to -70 $^{\circ}$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.