

Beta-1, 3-N-Acetylglucosaminyltransferase 2 (B3GNT2)

Product Information

Cat#	DIA-638
Descriptions	Beta-1, 3-N-Acetylglucosaminyltransferase 2 (B3GNT2) mediates the elongation of poly-N-acetyllactosamine chains via β -1,3 linked N-acetylglucosamine residues, modulates cell surface glycan extension, and supports research on cell adhesion and tumor-associated glycosylation.
Applications	Beta-1, 3-N-Acetylglucosaminyltransferase 2 (B3GNT2) is widely used in poly-N-acetyllactosamine chain detection kits and cell adhesion related assay reagent development.
CAS No.	24-1-1492
Enzyme Commission Number	EC 2.4.1.149
Enzyme Source	Trichoplusia ni, High Five (baculovirus)-derived human Beta-1,3-N-Acetylglucos.
Reaction	A beta-D-galactosyl- (1->4)-N-acetyl-beta-D-glucosaminyl derivative + UDP-N-acetyl-alpha-D-glucosamine = an N-acetyl-beta-D-glucosaminyl- (1->3)-beta-D-galactosyl- (1->4)-N-acetyl-beta-D-glucosaminyl derivative + H ⁺ + UDP
Activity Definition	Measured by its ability to transfer GlcNAc from UDP-GlcNAc to N-Acetyl-D-Lactosamine.