

DESCRIPTION

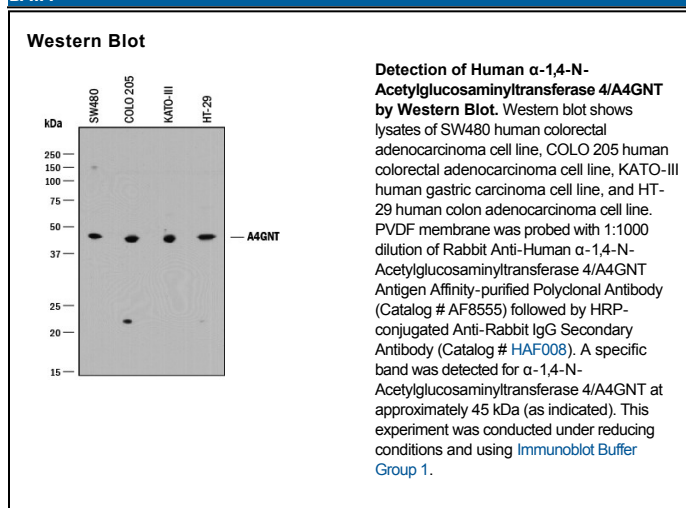
Species Reactivity	Human
Specificity	Detects human α -1,4-N-Acetylglucosaminyltransferase in direct ELISAs and Western blots.
Source	Polyclonal Rabbit IgG
Purification	Antigen Affinity-purified
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human α -1,4-N-Acetylglucosaminyltransferase 4/A4GNT Leu25-Lys340 Accession # Q9UNA3
Formulation	Supplied as a solution in PBS containing BSA, Glycerol and Sodium Azide. See Certificate of Analysis for details. *Small pack size (-SP) is supplied 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	1:1000 dilution	See Below

DATA



PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. 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. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C, as supplied. • 1 month, 2 to 8 °C under sterile conditions after opening. • 6 months, -20 to -70 °C under sterile conditions after opening.

BACKGROUND

Alpha-1,4-N-Acetylglucosaminyltransferase 4, also known as A4GNT is a 45 kDa glycoprotein, member of the glycosyltransferase 32 family of proteins. A4GNT catalyzes the transfer of N-acetylglucosamine (GlcNAc) to core 2 branched O-glycans. A4GNT is a single-pass type II membrane protein associated with the Golgi apparatus and contains the conserved DXD motif involved in catalytic activity. It is expressed in stomach and pancreas, as well as in gastric cancer cells. A4GNT is not expressed in peripheral blood cells, making it a putative biomarker for pancreatic cancer. A4GNT and Mucin 6 expression is upregulated in the gastric mucosa of H. pylori infected patients. Luminal domain of human A4GNT shares 72% aa sequence identity with mouse and rat A4GNT.

PRODUCT SPECIFIC NOTICES

* Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to SDS for additional information and handling instructions.