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Datasheet for ABIN952445
anti-GALNT4 antibody (N-Term)

2 Images

Overview

Quantity:	0.4 mL
Target:	GALNT4
Binding Specificity:	AA 100-128, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GALNT4 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 100-128 amino acids from the N-terminal region of Human GALNT4
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human GALNT4 (N-term).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	GALNT4
Alternative Name:	GALNT4 (GALNT4 Products)
Background:	This gene encodes a member of the UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-

Target Details

acetylgalactosaminyltransferase (GalNAc-T) family of enzymes. GalNAc-Ts initiate mucin-type O-linked glycosylation in the Golgi apparatus by catalyzing the transfer of GalNAc to serine and threonine residues on target proteins. They are characterized by an N-terminal transmembrane domain, a stem region, a luminal catalytic domain containing a GT1 motif and Gal/GalNAc transferase motif, and a C-terminal ricin/lectin-like domain. GalNAc-Ts have different, but overlapping, substrate specificities and patterns of expression. In vitro, the encoded protein can complement other GalNAc-Ts in the complete O-glycosylation of the mucin-1 tandem repeat and can O-glycosylate the P-selectin glycoprotein ligand-1 Molecule. The coding region of this gene is contained within a single exon. Synonyms: GalNAc transferase 4, GalNAc-T4, Polypeptide N-acetylgalactosaminyltransferase 4, Protein-UDP acetylgalactosaminyltransferase 4, UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 4, pp-GaNTase 4

Molecular Weight: 66608 Da

Gene ID: 8693

NCBI Accession: [NP_003765](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS containing 0.09 % (W/V) Sodium Azide as preservative

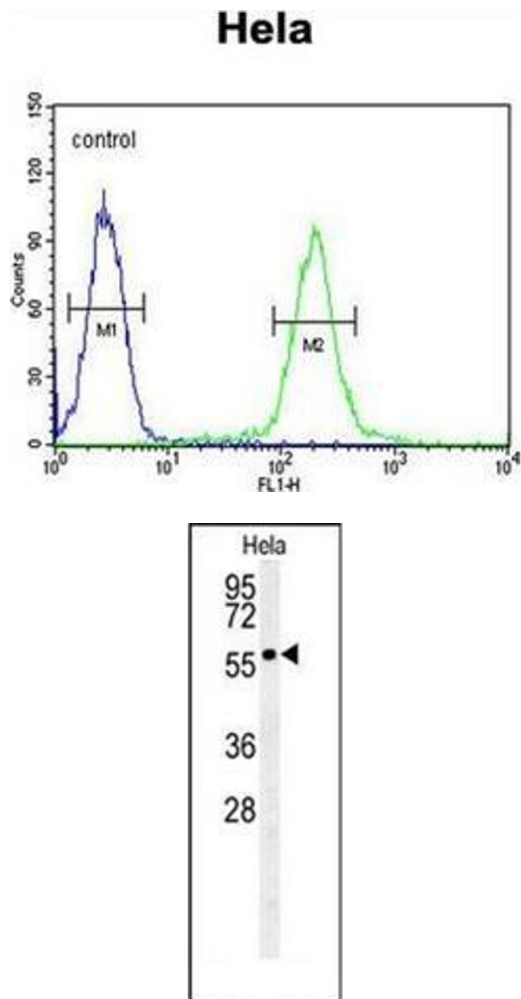
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Flow Cytometry

Image 1. Flow cytometric analysis of HeLa cells using GALNT4 Antibody (N-term) Cat.-No AP51769PU-N (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. Western blot analysis of GALNT4 Antibody (N-term) in HeLa cell line lysates (35ug/lane). This demonstrates the GALNT4 antibody detected the GALNT4 protein (arrow).