

## Product datasheet for **AP51769PU-N**

### POC1B-GALNT4 (N-term) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	FC, WB
Recommended Dilution:	<b>ELISA:</b> 1/1000. <b>Western Blot:</b> 1/100-1/500. <b>Flow Cytometry:</b> 1/10-1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 100-128 amino acids from the N-terminal region of Human GALNT4
Specificity:	This antibody recognizes Human GALNT4 (N-term).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	POC1B-GALNT4 readthrough
Database Link:	<a href="#">Entrez Gene 8693 Human</a> <a href="#">Entrez Gene 100528030 Human Q8N4A0</a>



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**Background:**

This gene encodes a member of the UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-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:**

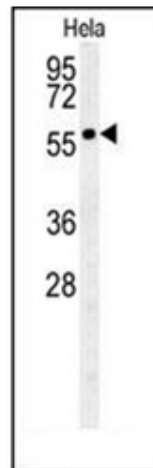
GalNAc transferase 4, pp-GaNTase 4, GalNAc-T4

**Note:**

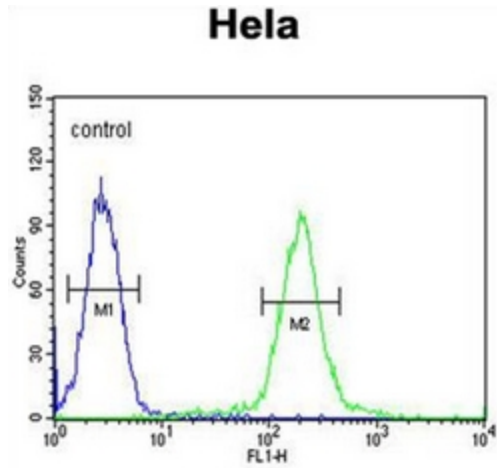
**Molecular Weight:** 66608 Da

**Protein Pathways:**

Metabolic pathways, O-Glycan biosynthesis

**Product images:**

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).



Flow cytometric analysis of HeLa cells using GALNT4 Antibody (N-term) (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.