

Product datasheet for **AP51768PU-N**

GALNT3 (Center) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, IHC, WB
Recommended Dilution:	ELISA: 1/1000. Western Blot: 1/100-1/500. Flow Cytometry: 1/10-1/50. Immunohistochemistry on Paraffin Sections: 1/10-1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 461–490 amino acids from the Center region of human GALNT3
Specificity:	This antibody recognizes Human GALNT3 (Center).
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:	polypeptide N-acetylgalactosaminyltransferase 3
Database Link:	Entrez Gene 2591 Human Q14435



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Background: GALNT3 encodes UDP-GalNAc transferase 3, a member of the GalNAc-transferases family. This family transfers an N-acetyl galactosamine to the hydroxyl group of a serine or threonine residue in the first step of O-linked oligosaccharide biosynthesis. Individual GalNAc-transferases have distinct activities and initiation of O-glycosylation is regulated by a repertoire of GalNAc-transferases. The protein is highly homologous to other family members, however the enzymes have different substrate specificities.

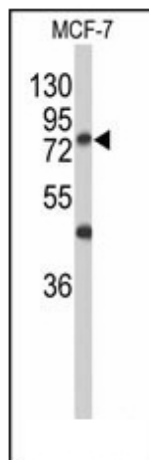
Synonyms: GalNAc transferase 3, pp-GaNTase 3, GalNAc-T3

Note: **Molecular Weight:** 72610 Da

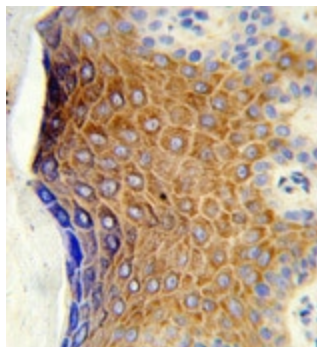
Protein Families: Transmembrane

Protein Pathways: Metabolic pathways, O-Glycan biosynthesis

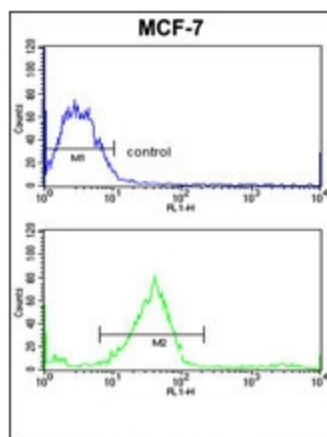
Product images:



Western blot analysis of GALNT3 Antibody (Center) in MCF-7 cell line lysates (35ug/lane). GALNT3 (arrow) was detected using the purified Pab.



Immunohistochemistry analysis in formalin-fixed and paraffin-embedded human skin tissue reacted with GALNT3 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.



Flow cytometric analysis of MCF-7 cells using GALNT3 Antibody (Center) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.