

# A4GNT Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP50943

## Product Information

---

Application	WB
Primary Accession	<a href="#">Q9UNA3</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39497

## Additional Information

---

Gene ID	51146
Other Names	Alpha-1, 4-N-acetylglucosaminyltransferase, Alpha4GnT, 241-, A4GNT
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human A4GNT. The exact sequence is proprietary.
Dilution	WB~~ 1:1000
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

---

Name	A4GNT
Function	Catalyzes the transfer of N-acetylglucosamine (GlcNAc) to core 2 branched O-glycans (PubMed: <a href="#">10430883</a> ). Necessary for the synthesis of type III mucin which is specifically produced in the stomach, duodenum, and pancreatic duct (PubMed: <a href="#">10430883</a> ). May protect against inflammation-associated gastric adenocarcinomas (By similarity).
Cellular Location	Golgi apparatus membrane; Single- pass type II membrane protein
Tissue Location	Detected in stomach and pancreas.

## Background

---

Necessary for the synthesis of type III mucin. Catalyzes the transfer of N-acetylglucosamine (GlcNAc) to core 2 branched O- glycans.

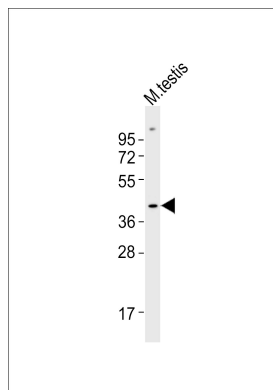
## References

---

Nakayama J., et al. Proc. Natl. Acad. Sci. U.S.A. 96:8991-8996(1999).

## Images

---



Anti-A4GNT Antibody at 1:1000 dilution + mouse testis lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 39 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.