

**GALNT9 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP17972c****Specification**

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**GALNT9 Antibody (Center) - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">O9HCQ5</a>
Other Accession	<a href="#">O9GM01</a> , <a href="#">NP_001116108.1</a>
Reactivity	Human
Predicted	Monkey
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	68359
Antigen Region	296-322

**GALNT9 Antibody (Center) - Additional Information****Gene ID** 50614**Other Names**

Polypeptide N-acetylgalactosaminyltransferase 9, Polypeptide GalNAc transferase 9, GalNAc-T9, pp-GaNTase 9, Protein-UDP acetylgalactosaminyltransferase 9, UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 9, GALNT9

**Target/Specificity**

This GALNT9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 296-322 amino acids from the Central region of human GALNT9.

**Dilution**

WB~~1:1000  
IHC-P~~1:100

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

GALNT9 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**GALNT9 Antibody (Center) - Protein Information**

**Name** GALNT9

**Function** Catalyzes the initial reaction in O-linked oligosaccharide biosynthesis, the transfer of an N-acetyl-D-galactosamine residue to a serine or threonine residue on the protein receptor. Does not glycosylate apomucin or SDC3.

**Cellular Location**

Golgi apparatus membrane; Single- pass type II membrane protein

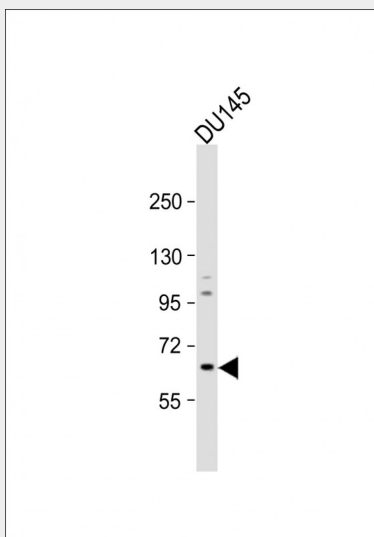
**Tissue Location**

Specifically expressed in brain. Not expressed in heart, placenta, lung, liver, skeletal muscle, kidney, pancreas, spleen, thymus, prostate, testis, ovary, small intestine, colon and leukocyte. In brain, it is expressed in cerebellum, frontal lobe, temporal lobe, putamen and spinal cord, weakly expressed in cerebral cortex. Not expressed in medulla and occipital pole

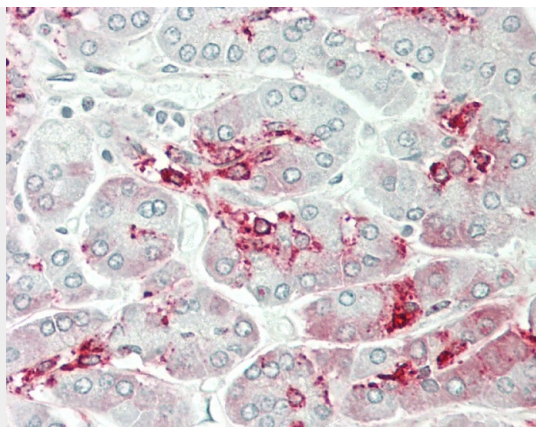
**GALNT9 Antibody (Center) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**GALNT9 Antibody (Center) - Images**

Anti-GALNT9 Antibody (Center) at 1:1000 dilution + DU145 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 68 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded H.pancreas tissue reacted with GALNT9 Antibody (Center) (Cat#AP17972c).

### **GALNT9 Antibody (Center) - 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. This gene is expressed specifically in the brain, with highest expression in the cerebellum. Multiple transcript variants encoding different isoforms have been found for this gene.

### **GALNT9 Antibody (Center) - References**

Wang, A.G., et al. Biochem. Biophys. Res. Commun. 345(3):1022-1032(2006)  
Zhang, Y., et al. J. Biol. Chem. 278(1):573-584(2003)  
Toba, S., et al. Biochim. Biophys. Acta 1493 (1-2), 264-268 (2000) :