

GALNT9 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17972c

Product Information

Application	WB, IHC-P, E
Primary Accession	Q9HCQ5
Other Accession	Q9GM01 , NP_001116108.1
Reactivity	Human
Predicted	Monkey
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB38256
Antigen Region	296-322

Additional Information

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 E~~Use at an assay dependent concentration.
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.

Protein Information

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.

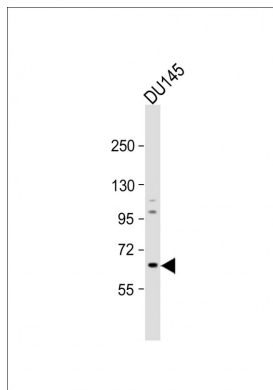
References

Wang, A.G., et al. *Biochem. Biophys. Res. Commun.* 345(3):1022-1032(2006)

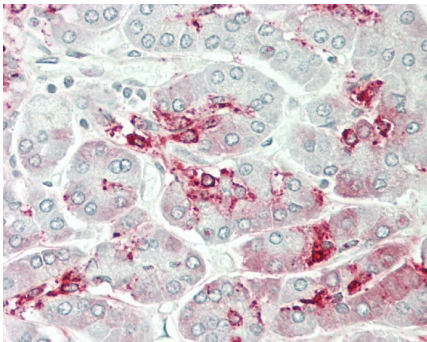
Zhang, Y., et al. *J. Biol. Chem.* 278(1):573-584(2003)

Toba, S., et al. *Biochim. Biophys. Acta* 1493 (1-2), 264-268 (2000) :

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).

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