

# GALNT6 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant GALNT6.

Catalog # AT2147a

## Product Information

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|--------------------------|---------------------------|
| <b>Application</b>       | WB, E                     |
| <b>Primary Accession</b> | <a href="#">Q8NCL4</a>    |
| <b>Other Accession</b>   | <a href="#">NM_007210</a> |
| <b>Reactivity</b>        | Human                     |
| <b>Host</b>              | mouse                     |
| <b>Clonality</b>         | monoclonal                |
| <b>Isotype</b>           | IgG1 Kappa                |
| <b>Clone Names</b>       | 4C10                      |
| <b>Calculated MW</b>     | 71159                     |

## Additional Information

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|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>            | 11226                                                                                                                                                                                                                         |
| <b>Other Names</b>        | Polypeptide N-acetylgalactosaminyltransferase 6, Polypeptide GalNAc transferase 6, GalNAc-T6, pp-GaNTase 6, Protein-UDP acetylgalactosaminyltransferase 6, UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 6, GALNT6 |
| <b>Target/Specificity</b> | GALNT6 (NP_009141, 523 a.a. ~ 622 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.                                                                                                           |
| <b>Dilution</b>           | WB~~1:500~1000 E~~N/A                                                                                                                                                                                                         |
| <b>Format</b>             | Clear, colorless solution in phosphate buffered saline, pH 7.2 .                                                                                                                                                              |
| <b>Storage</b>            | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                      |
| <b>Precautions</b>        | GALNT6 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.                                                                                                          |

## Background

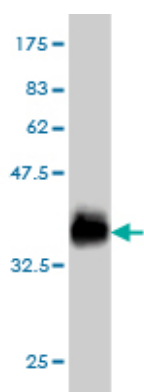
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This gene encodes a member of the UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase (GalNAc-T) family of enzymes. GalNAc-Ts initiate mucin-type O-linked glycosylation in the Golgi apparatus by catalyzing the transfer 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. The encoded protein is capable of glycosylating fibronectin peptide in vitro and is expressed in a fibroblast cell line, indicating that it may be involved in the synthesis of oncofetal fibronectin.

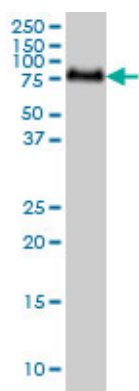
## References

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614. Prognostic utility of glycosyltransferase expression in breast cancer. Patani N, et al. Cancer Genomics Proteomics, 2008 Nov-Dec. PMID 19287074. Expression of UDP-N-acetyl-D-galactosamine: polypeptide N-acetylgalactosaminyltransferase-6 in gastric mucosa, intestinal metaplasia, and gastric carcinoma. Gomes J, et al. J Histochem Cytochem, 2009 Jan. PMID 18854599. Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters of human genes. Kimura K, et al. Genome Res, 2006 Jan. PMID 16344560. Signal sequence and keyword trap in silico for selection of full-length human cDNAs encoding secretion or membrane proteins from oligo-capped cDNA libraries. Otsuki T, et al. DNA Res, 2005. PMID 16303743.

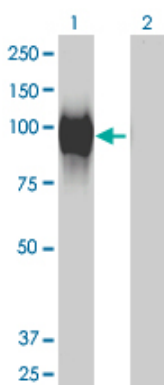
## Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .



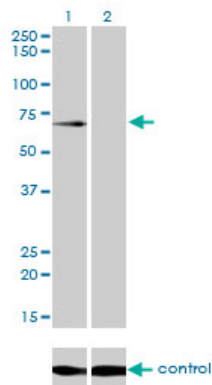
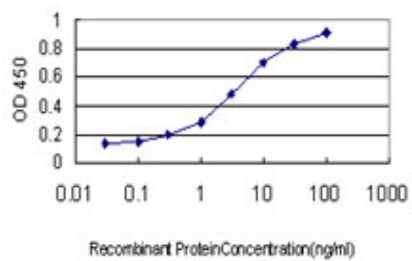
GALNT6 monoclonal antibody (M01), clone 4C10 Western Blot analysis of GALNT6 expression in A-431 ( (Cat # AT2147a )



Western Blot analysis of GALNT6 expression in transfected 293T cell line by GALNT6 monoclonal antibody (M01), clone 4C10.

Lane 1: GALNT6 transfected lysate(71 KDa).  
Lane 2: Non-transfected lysate.

Detection limit for recombinant GST tagged GALNT6 is approximately 0.1ng/ml as a capture antibody.



Western blot analysis of GALNT6 over-expressed 293 cell line, cotransfected with GALNT6 Validated Chimera RNAi (Cat # AT2147a )

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