



## GALT2 mouse mAb

Catalog No	BYmab-08079
Isotype	IgG
Reactivity	Human; Mouse
Applications	WB
Gene Name	GALNT2
Protein Name	GALT2
Immunogen	Synthesized peptide derived from human GALT2 AA range: 30-80
Specificity	This antibody detects endogenous levels of GALT2 at Human/Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.194% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Polypeptide N-acetylgalactosaminyltransferase 2 (EC 2.4.1.41) (Polypeptide GalNAc transferase 2) (GalNAc-T2) (pp-GaNTase 2) (Protein-UDP acetylgalactosaminyltransferase 2) (UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 2) [Cleaved into: Polypeptide N-acetylgalactosaminyltransferase 2 soluble form]
Observed Band	65kD
Cell Pathway	Golgi apparatus, Golgi stack membrane ; Single-pass type II membrane protein . Secreted . Resides preferentially in the trans and medial parts of the Golgi stack. A secreted form also exists.
Tissue Specificity	Widely expressed.
Function	catalytic activity:UDP-N-acetyl-D-galactosamine + polypeptide = UDP + N-acetyl-D-galactosaminyl-polypeptide.,cofactor:Calcium.,cofactor:Manganese.,d omain:The ricin B-type lectin domain binds to GalNAc and contributes to the glycopeptide specificity.,domain:There are two conserved domains in the glycosyltransferase region: the N-terminal domain (domain A, also called GT1

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	motif), which is probably involved in manganese coordination and substrate binding and the C-terminal domain (domain B, also called Gal/GalNAc-T motif), which is probably involved in catalytic reaction and UDP-Gal binding.,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. Has a broad spectrum of substrates for peptides such as EA2, Muc5AC, Muc1a, Muc1b. Probably involved in O-linked
Background	This gene encodes a member of the glycosyltransferase 2 protein family. Members of this family initiate mucin-type O-glycoslation of peptides in the Golgi apparatus. The encoded protein may be involved in O-linked glycosylation of the immunoglobulin A1 hinge region. This gene may influence triglyceride levels, and may be involved Type 2 diabetes, as well as several types of cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## **Products Images**



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