

# GALNT1 rabbit monoclonal antibody

Catalog # H00002589-K

Size 100 ug x up to 3

## Specification

Product Description	Rabbit monoclonal antibody raised against a human GALNT1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human GALNT1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human GALNT1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — GALNT1

Entrez GeneID	<a href="#">2589</a>
GeneBank Accession#	<a href="#">GALNT1</a>
Gene Name	GALNT1
Gene Alias	GALNAC-T1
Gene Description	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 1 (GalNAC-T1)
Omim ID	<a href="#">602273</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	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. Transcript variants derived from this gene that utilize alternative polyA signals have been described in the literature. [provided by RefSeq]
Other Designations	GalNAC transferase 1 UDP-GalNAC:polypeptide N-acetylgalactosaminyltransferase 1 polypeptide N-acetylgalactosaminyltransferase 1 protein-UDP acetylgalactosaminyltransferase 1

## Pathway

- [Metabolic pathways](#)
- [O-Glycan biosynthesis](#)

## Disease

- [Amyotrophic lateral sclerosis](#)
- [Genetic Predisposition to Disease](#)
- [Neoplasms](#)

- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)