

B4GALNT1 rabbit monoclonal antibody

Catalog # H00002583-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human B4GALNT1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human B4GALNT1 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 (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human B4GALNT1 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	<ol style="list-style-type: none">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)₂, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — B4GALNT1

Entrez GeneID	2583
GeneBank Accession#	B4GALNT1
Gene Name	B4GALNT1
Gene Alias	GALGT, GALNACT
Gene Description	beta-1,4-N-acetyl-galactosaminyl transferase 1
Omim ID	601873
Gene Ontology	Hyperlink
Gene Summary	GM2 and GD2 gangliosides are sialic acid-containing glycosphingolipids. GalNAc-T is the enzyme involved in the biosynthesis of G(M2) and G(D2) glycosphingolipids. GalNAc-T catalyzes the transfer of GalNAc into G(M3) and G(D3) by a beta-1,4 linkage, resulting in the synthesis of G(M2) and G(D2), respectively. [provided by RefSeq]
Other Designations	GD2 synthase, GM2 synthase GalNAc-T UDP-Gal:betaGlcNAc beta-1,4-N-acetylgalactosaminyltransferase transferase 1 UDP-N-acetyl-alpha-D-galactosamine:(N-acetylneuraminy)-galactosylglucosylceramide N-acetylgalactosaminyltransferase (GalNAc-T) beta1,4GalNAc-T

Pathway

- [Glycosphingolipid biosynthesis - ganglio series](#)
- [Metabolic pathways](#)

Disease

- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)