

# ST6GALNAC1 rabbit monoclonal antibody

Catalog # H00055808-K

Size 100 ug x up to 3

## Specification

<b>Product Description</b>	Rabbit monoclonal antibody raised against a human ST6GALNAC1 peptide using ARM Technology.
<b>Immunogen</b>	A synthetic peptide of human ST6GALNAC1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
<b>Host</b>	Rabbit
<b>Library Construction</b>	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
<b>Expression</b>	Overexpression vector and transfection into 293H cell line.
<b>Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Isotype</b>	IgG
<b>Quality Control Testing</b>	Antibody reactive against human ST6GALNAC1 peptide by ELISA and mammalian transfected lysate by Western Blot.
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Deliverable</b>	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
<b>Note</b>	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 — ST6GALNAC1

Entrez GeneID	<a href="#">55808</a>
GeneBank Accession#	<a href="#">ST6GALNAC1</a>
Gene Name	ST6GALNAC1
Gene Alias	HSY11339, SIAT7A, ST6GalNAcI, STYI
Gene Description	ST6 (alpha-N-acetyl-neuraminy-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyl transferase 1
Omim ID	<a href="#">610138</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	Glycosylation of proteins affects cell-cell interaction, interactions with the matrix, and the functions of intracellular molecules. ST6GALNAC1 transfers a sialic acid, N-acetylneuraminic acid (NeuAc), in an alpha-2,6 linkage to O-linked GalNAc residues. The cancer-associated sialyl-Tn (sTn) antigen is formed by ST6GALNAC1-catalyzed sialylation of GalNAc residues on mucins (Ikehara et al., 1999 [PubMed 10536037]; Sewell et al., 2006 [PubMed 16319059]).[supplied by OMIM]
Other Designations	GalNAc alpha-2, 6-sialyltransferase II[GalNAc alpha-2, 6-sialyltransferase I, long form alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase sialyltransferase 7 ((alpha-N-acetylneuraminy-2,3-beta-galactosyl-1,3)-N-acetyl galactosaminide alpha-2,6-sia

## Pathway

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

## Disease

- [Tobacco Use Disorder](#)