ST6GALNAC1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ST6GALNAC1, Polyclonal Antibody
Full Product Name	ST6GALNAC1, NT (ST6GALNAC1, SIAT7A, Alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase 1, GalNAc alpha-2,6-sialyltransferase I, ST6GalNAc I, Sialyltransferase 7A) (MaxLight 650)
Product Gene Name	anti-ST6GALNAC1 antibody
Product Synonym Names	ST6GALNAC1; SIAT7A; Alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase 1; GalNAc alpha-2,6-sialyltransferase I; ST6GalNAc I; Sialyltransferase 7A
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	68,564 Da
OMIM	610138
3D Structure	ModBase 3D Structure for Q9NSC7
Immunogen	ST6GALNAC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 35-65 amino acids from the N-terminal region of human ST6GALNAC1.
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-ST6GALNAC1 antibody	Antibodies; Enzymes
Applications Tested/Suitable for anti-ST6GALNAC1 antibody	Western Blot (WB), FLISA
Application Notes for anti-ST6GALNAC1 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-ST6GALNAC1 antibody	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]).
Product References and Citations for anti-ST6GALNAC1 antibody	Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010): Hassinen, A., et al. J. Biol. Chem. 285(23):17771-17777(2010). Patani, N., et al. Cancer Genomics Proteomics 5(6):333-340(2008). Olsen, J.V., et al. Cell 127(3):635-648(2006). Olsen, J.V., et al. Cell 127(3):635-648(2006).

Other Notes	Small volumes of anti-ST6GALNAC1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ST6GALNAC1 purchase	MBS6351573 is an antibody targeting ST6GALNAC1. Also known as ST6GALNAC1, NT (ST6GALNAC1, SIAT7A, Alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase 1, GalNAc alpha-2,6-sialyltransferase I, ST6GalNAc I, Sialyltransferase 7A) (MaxLight 650). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ST6GALNAC1. It may not necessarily be applicable to this product.

NCBI GI #	21264332
NCBI GeneID	55808
NCBI Accession #	NP_060884.1
UniProt Primary Accession #	Q9NSC7
UniProt Secondary Accession #	Q6UW90; Q9NSC6
UniProt Related Accession #	Q9NSC7
GenBank Nucleotide #	NM_018414.4
NCBI Official Full Name	alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase 1 isoform 1
NCBI Official Synonym Full Names	ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 1
NCBI Official Symbol	ST6GALNAC1
NCBI Official Synonym Symbols	STYI; SIAT7A; HSY11339; ST6GalNAcI
UniProt Protein Name	Alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase 1
UniProt Synonym Protein Names	GalNAc alpha-2,6-sialyltransferase I; ST6GalNAc I; ST6GalNAcI; Sialyltransferase 7A; SIAT7-A
Protein Family	Alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase
UniProt Gene Name	ST6GALNAC1
UniProt Synonym Gene Names	SIAT7A; ST6GalNAcI; SIAT7-A
UniProt Entry Name	SIA7A_HUMAN
NCBI Protein Information	alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase 1; SIAT7-A; ST6GalNAc I; sialyltransferase 7A; galNAc alpha-2,6-sialyltransferase I; GalNAc alpha-2, 6-sialyltransferase I, long form; sialyltransferase 7 ((alpha-N-acetylneuraminyl-2,3-beta-galact
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