



Anti-ST6GALNAC1 (aa 396-445) polyclonal antibody (CPBT-57881RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit Polyclonal antibody to Human ST6GALNAC1.
Antigen Description	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)
Immunogen	Synthetic peptide corresponding to a region within internal sequence amino acids 396-445 (LIKGYEQDVG TRTSFYGFTA FSLTQSLIL GNRGFKNVPL GKDVRYLHFL) of human ST6GALNAC1.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	ICC/IF, WB, ELISA
Sequence Similarities	Belongs to the glycosyltransferase 29 family.
Cellular Localization	Golgi apparatus membrane.
Format	Liquid
Size	50 µg

Buffer	Preservative: NoneConstituents: 2% Sucrose, PBS
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

GENE INFORMATION

Gene Name	ST6GALNAC1 ST6 (alpha-N-acetyl-neuraminy-2,3-beta-galactosyl-1,3)-N-acetylglactosaminide alpha-2,6-sialyltransferase 1 [Homo sapie
Official Symbol	ST6GALNAC1
Synonyms	ST6GALNAC1; ST6 (alpha-N-acetyl-neuraminy-2,3-beta-galactosyl-1,3)-N-acetylglactosaminide alpha-2,6-sialyltransferase 1; sialyltransferase 7 ((alpha N acetylneuraminy 2,3 beta galactosyl 1,3) N acetyl galactosaminide alpha 2,6 sialyltransferase) A , SIAT7A; alpha-N-acetylglactosaminide alpha-2,6-sialyltransferase 1; ST6GalNAcI; 6-sialyltransferase 1; 6-sialyltransferase I; Alpha N acetylglactosaminide alpha 2 6 sialyltransferase 1; Alpha N acetylglactosaminide alpha 2 6 sialyltransferase; Alpha-N-acetylglactosaminide alpha-2; GalNAc alpha 2 6 sialyltransferase I; GalNAc alpha-2; HSY11339; SIA7A_HUMAN; Sialyltransferase 7A; SIAT7-A; SIAT7A; ST6 (alpha N acetyl neuraminy 2 3 beta galactosyl 1 3) N acetylglactosaminide alpha 2 6 sialyltransferase 1; ST6GalNAc I; ST6GALNAC1; ST6GalNAcI; STYI; SIAT7-A; ST6GalNAc I; sialyltransferase 7A; galNAc alpha-2,6-sialyltransferase I; GalNAc alpha-2, 6-sialyltransferase I, long form; sialyltransferase 7 ((alpha-N-acetylneuraminy-2,3-beta-galactosyl-1,3)-N-acetyl galactosaminide alpha-2,6-sialyltransferase) A; STYI; SIAT7A; HSY11339;
Entrez Gene ID	55808
Protein Refseq	NP_060884
UniProt ID	Q9NSC7
Chromosome Location	17q25.3
Pathway	Metabolic pathways, organism-specific biosystem; Mucin type O-Glycan biosynthesis, organism-specific biosystem; Mucin type O-Glycan biosynthesis, conserved biosystem.
Function	alpha-N-acetylglactosaminide alpha-2,6-sialyltransferase activity; sialyltransferase activity;