

Product datasheet for **AP54057PU-N**

ST6GALNAC1 (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1/1000. Western Blot: 1/100 - 1/500.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 35-65 amino acids from the N-terminal region of human ST6GALNAC1
Specificity:	This antibody reacts to ST6GALNAC1.
Formulation:	PBS State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.09% (W/V) sodium azide
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	68564 Da
Gene Name:	ST6 N-acetylgalactosaminide alpha-2,6-sialyltransferase 1
Database Link:	Entrez Gene 55808 Human Q9NSC7



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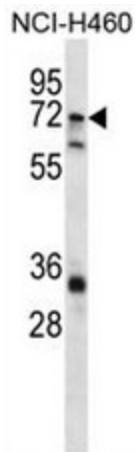
Background: Glycosylation of proteins affects cell-cell interaction, interactions with the matrix, and the functions of intracellular molecules. ST6GALNAC1 transfers a sialic acid, N-acetylneuraminic acid (NeuAc), in an alpha-2,6 linkage to O-linked GalNAc residues. The cancer-associated sialyl-Tn (sTn) antigen is formed by ST6GALNAC1-catalyzed sialylation of GalNAc residues on mucins (Ikehara et al., 1999 [PubMed 10536037]; Sewell et al., 2006 [PubMed 16319059]).

Synonyms: ST6GalNAc I, ST6GalNAcI, Sialyltransferase 7A, SIAT7A, SIAT7-A, HSY11339

Protein Families: Transmembrane

Protein Pathways: Metabolic pathways, O-Glycan biosynthesis

Product images:



ST6GALNAC1 Antibody (N-term) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the ST6GALNAC1 antibody detected the ST6GALNAC1 protein (arrow).