

ST6GALNAC6 rabbit pAb

Catalog No :	YN8741
Reactivity :	Human;Mouse
Applications :	WB
Target :	ST6GALNAC6
Gene Name :	ST6GALNAC6 SIAT7F UNQ708/PRO1359
Protein Name :	Alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase 6 (EC 2.4.99.-) (GalNAc alpha-2,6-sialyltransferase VI) (ST6GalNAc VI) (ST6GalNAcVI) (hST6GalNAc VI) (Sialyltransferase 7F) (SIAT7-F)
Human Gene Id :	30815
Human Swiss Prot No :	Q969X2
Mouse Gene Id :	50935
Mouse Swiss Prot No :	Q9JM95
Immunogen :	Synthesized peptide derived from human ST6GALNAC6
Specificity :	This antibody detects endogenous levels of ST6GALNAC6 at Human, Mouse
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 37kD

Function : Transfers the sialyl group (N-acetyl-alpha-neuraminy or NeuAc) from CMP-NeuAc onto glycoproteins and glycolipids, forming an alpha-2,6-linkage. Produces branched type disialyl structures by transfer of a sialyl group onto the GalNAc or GlcNAc residue inside backbone core chains having a terminal sialic acid with an alpha-2,3-linkage on Gal. ST6GalNAcVI prefers glycolipids to glycoproteins, predominantly catalyzing the biosynthesis of ganglioside GD1alpha from GM1b . Besides GMb1, MSGG and other glycolipids, it shows activity towards sialyl Lc4Cer generating disialyl Lc4Cer, which can lead to the synthesis of disialyl Lewis a (Le(a)), suggested to be a cancer-associated antigen . Also has activity toward GD1a and GT1b, and can generate DSGG (disialylgalactosylgloboside) from MSGG (monosialylgalactosylgloboside) (By similarity).

Subcellular Location : Golgi apparatus membrane ; Single-pass type II membrane protein .

Expression : Expressed in kidney, in proximal tubule epithelial cells. Expressed in colon cell lines.

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