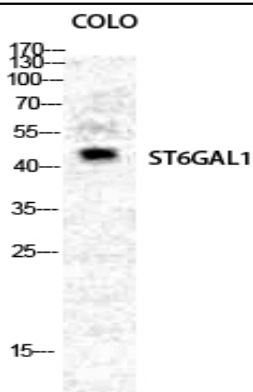


CD75 Polyclonal Antibody

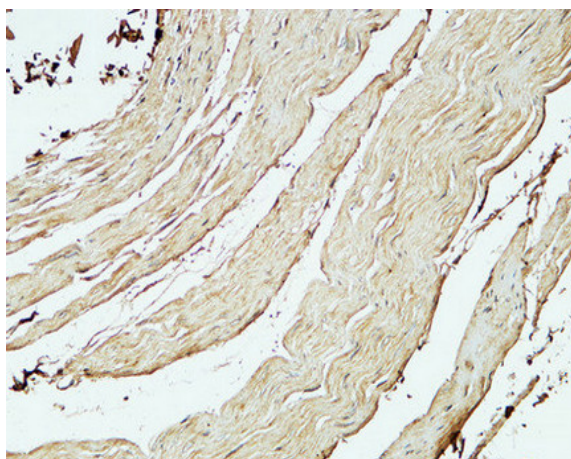
Catalog No :	YT0776
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	ST6GAL1
Fields :	>>N-Glycan biosynthesis;>>Other types of O-glycan biosynthesis;>>Metabolic pathways
Gene Name :	ST6GAL1
Protein Name :	Beta-galactoside alpha-2,6-sialyltransferase 1
Human Gene Id :	6480
Human Swiss Prot No :	P15907
Mouse Gene Id :	20440
Mouse Swiss Prot No :	Q64685
Rat Gene Id :	25197
Rat Swiss Prot No :	P13721
Immunogen :	The antiserum was produced against synthesized peptide derived from human ST6GAL1. AA range:171-220
Specificity :	CD75 Polyclonal Antibody detects endogenous levels of CD75 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200

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)
Observed Band :	42kD
Cell Pathway :	N-Glycan biosynthesis;
Background :	This gene encodes a member of glycosyltransferase family 29. The encoded protein is a type II membrane protein that catalyzes the transfer of sialic acid from CMP-sialic acid to galactose-containing substrates. The protein, which is normally found in the Golgi but can be proteolytically processed to a soluble form, is involved in the generation of the cell-surface carbohydrate determinants and differentiation antigens HB-6, CD75, and CD76. This gene has been incorrectly referred to as CD75. Three transcript variants encoding two different isoforms have been described. [provided by RefSeq, Aug 2009],
Function :	catalytic activity: CMP-N-acetylneuraminate + beta-D-galactosyl-1,4-N-acetyl-beta-D-glucosamine = CMP + alpha-N-acetylneuraminy-2,6-beta-D-galactosyl-1,4-N-acetyl-beta-D-glucosamine., function: Transfers sialic acid from the donor of substrate CMP-sialic acid to galactose containing acceptor substrates., online information: GlycoGene database, online information: ST6Gal I, pathway: Protein modification; protein glycosylation., PTM: The HB-6, CDW75, and CD76 differentiation antigens are cell-surface carbohydrate determinants generated by this enzyme., PTM: The soluble form derives from the membrane form by proteolytic processing., similarity: Belongs to the glycosyltransferase 29 family., subcellular location: Membrane-bound form in trans cisternae of Golgi. Secreted into the body fluid.,
Subcellular Location :	Golgi apparatus, Golgi stack membrane ; Single-pass type II membrane protein . Secreted. Membrane-bound form in trans cisternae of Golgi. Secreted into the body fluid.
Expression :	Liver, Lymph, Placenta, Skin, Spleen, Thymus,

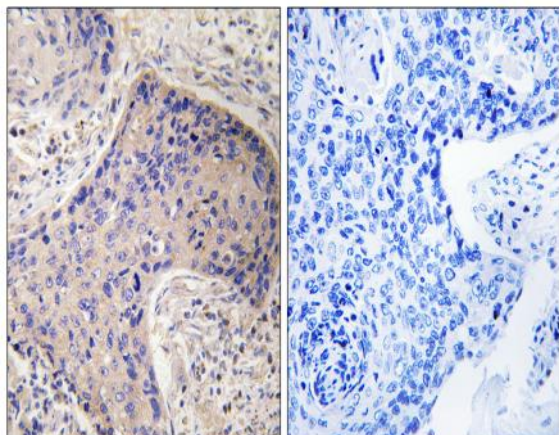
Products Images



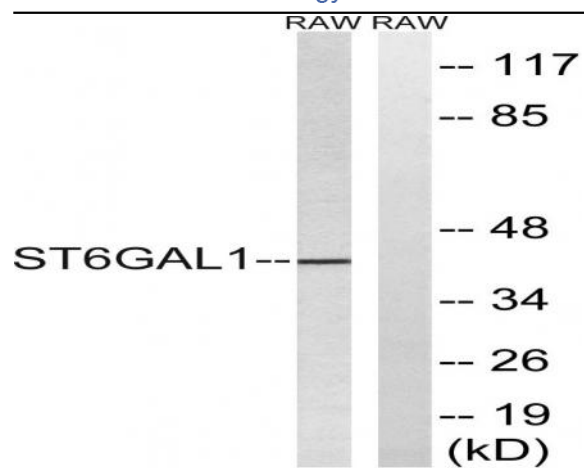
Western Blot analysis of COLO cells using CD75 Polyclonal Antibody diluted at 1:2000



Immunohistochemical analysis of paraffin-embedded Human stomach. 1, Antibody was diluted at 1:200(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



Immunohistochemistry analysis of paraffin-embedded human prostate carcinoma tissue, using ST6GAL1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from RAW264.7 cells, using ST6GAL1 Antibody. The lane on the right is blocked with the synthesized peptide.