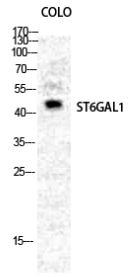
CD75 Polyclonal Antibody

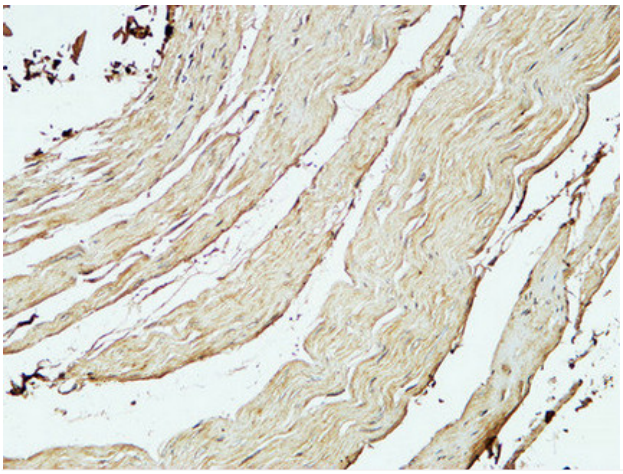
Catalog No	BYab-13911
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	ST6GAL1
Protein Name	Beta-galactoside alpha-2,6-sialyltransferase 1
Immunogen	The antiserum was produced against synthesized peptide derived from human ST6GAL1. AA range:171-220
Specificity	CD75 Polyclonal 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
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ST6GAL1; SIAT1; Beta-galactoside alpha-2; 6-sialyltransferase 1; Alpha 2,6-ST 1; B-cell antigen CD75; CMP-N-acetylneuraminate-beta-galactosamide-alpha-2,6-sialyltransferase 1; ST6Gal I; ST6GalI; Sialyltransferase 1
Observed Band	42kD
Cell Pathway	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.
Tissue Specificity	Liver,Lymph,Placenta,Skin,Spleen,Thymus,
Function	catalytic activity:CMP-N-acetylneuraminate + beta-D-galactosyl-1,4-N-acetyl-beta-D-glucosamine = CMP + alpha-N-acetylneuraminyl-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.,
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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

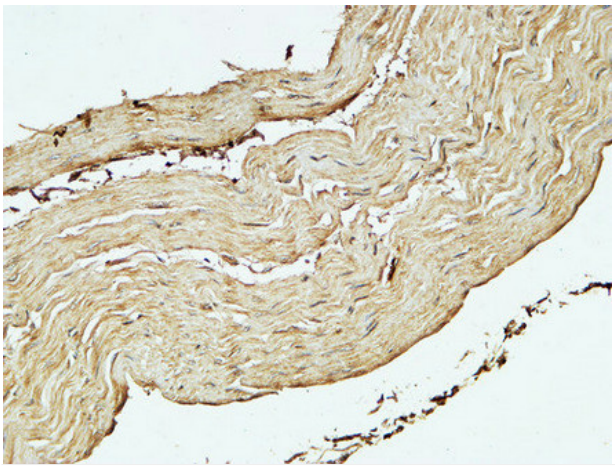
Products Images



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).



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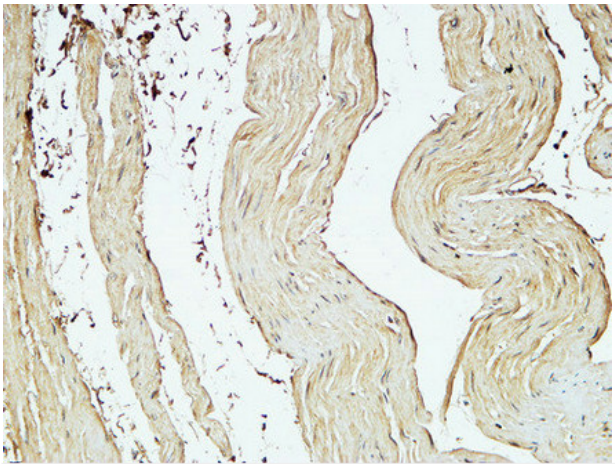

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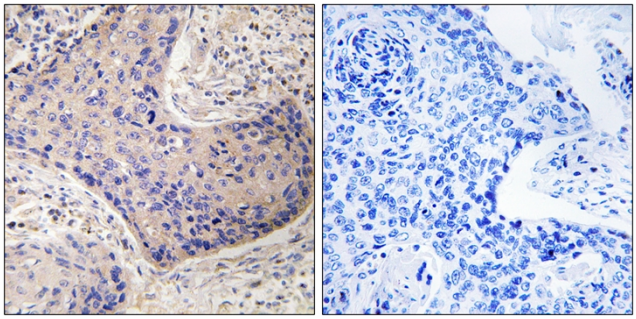

Immunohistochemistry analysis of paraffin-embedded human prostate carcinoma tissue, using ST6GAL1 Antibody. The picture on the right is blocked with the synthesized peptide.

ST6GAL1