
Product Name: CD75 Rabbit Polyclonal Antibody**Catalog #: APRab08452**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
Molecular Weight	42kDa

Antigen Information

Gene Name	ST6GAL1 ST6GAL1; SIAT1; Beta-galactoside alpha-2; 6-sialyltransferase 1; Alpha 2,6-ST 1; B-cell
Alternative Names	antigen CD75; CMP-N-acetylneuraminase-beta-galactosamide-alpha-2,6-sialyltransferase 1; ST6Gal I; ST6Gall; Sialyltransferase 1
Gene ID	6480.0
SwissProt ID	P15907
Immunogen	The antiserum was produced against synthesized peptide derived from human ST6GAL1. AA range:171-220

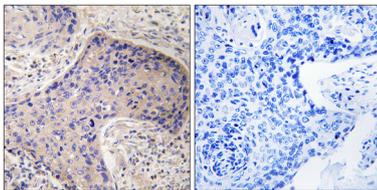
Background

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], catalytic activity: $\text{CMP-N-acetylneuraminate} + \text{beta-D-galactosyl-1,4-N-acetyl-beta-D-glucosamine} = \text{CMP} + \text{alpha-N-acetylneuraminy-2,6-beta-D-galactosyl-1,4-N-acetyl-beta-D-glucosamine}$, 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.,

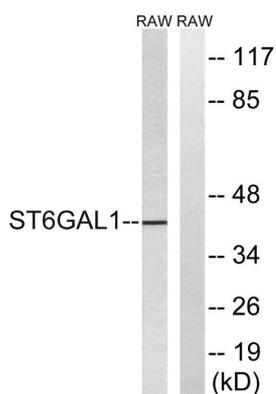
Research Area

N-Glycan biosynthesis;

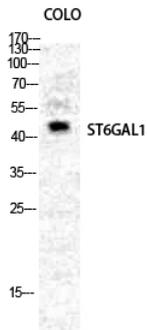
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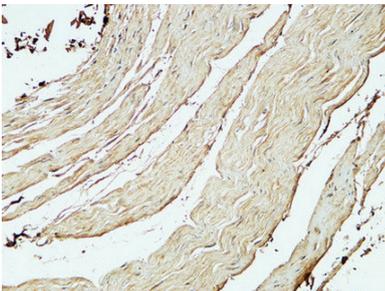
Immunohistochemistry analysis of paraffin-embedded human prostate carcinoma tissue, using ST6GAL1 Antibody. The picture on the right is blocked with the synthesized peptide.



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



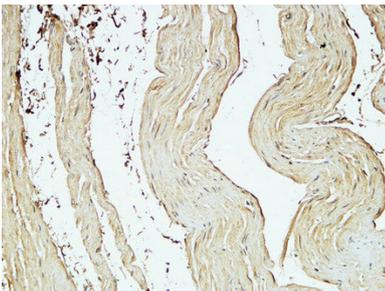
Western Blot analysis of COLO cells using CD75 Polyclonal Antibody diluted at 1: 20 00



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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