

Product Name: ST6GAL1 Rabbit Polyclonal Antibody**Catalog #: APRab18325**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Rat,Mouse
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 1:50-1:200,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000

Molecular Weight

Antigen Information

Gene Name	ST6GAL1 SIAT1 Beta-galactoside alpha-2,6-sialyltransferase 1 (Alpha 2,6-ST 1;EC 2.4.99.1;B-cell antigen
Alternative Names	CD75;CMP-N-acetylneuraminate-beta-galactosamide-alpha-2,6-sialyltransferase 1;ST6Gal I;ST6GalI;Sialyltransferase 1)
Gene ID	6480.0
SwissProt ID	P15907
Immunogen	Synthetic peptide from human protein at AA range: 63-135

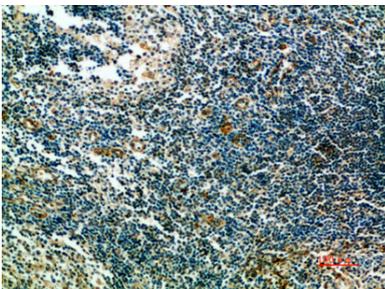
Background

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;

Image Data



Immunohistochemical analysis of paraffin-embedded human-tonsils, antibody was diluted at 1:200