Product Name: ST6GAL1 Rabbit Polyclonal Antibody
Catalog #: APRab18325

Summary

Production Name	ST6GAL1 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IHC,ELISA
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

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

Application

Dilution Ratio	IHC 1:50-200 ELISA 1:10000-20000
Molecular Weight	

Background

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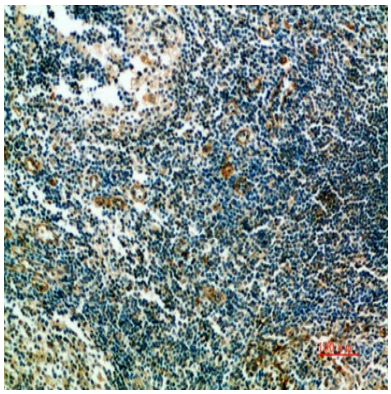
This gene encodes a member of glycosyltransferase family 29. The encoded protein is a type II membrane protein that catalyzes the transfer of sialic acid from CMP-sialic acid to galactose-containing substrates. The protein, which is normally found in the Golgi but can be proteolytically processed to 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: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.,

Research Area

N-Glycan biosynthesis;

Image Data



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

Note

For research use only.