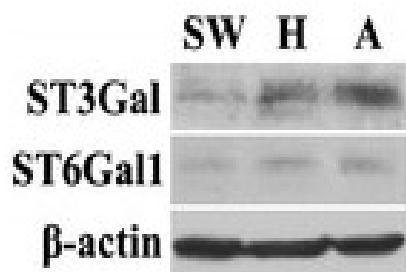


## ST6GAL1 Polyclonal Antibody

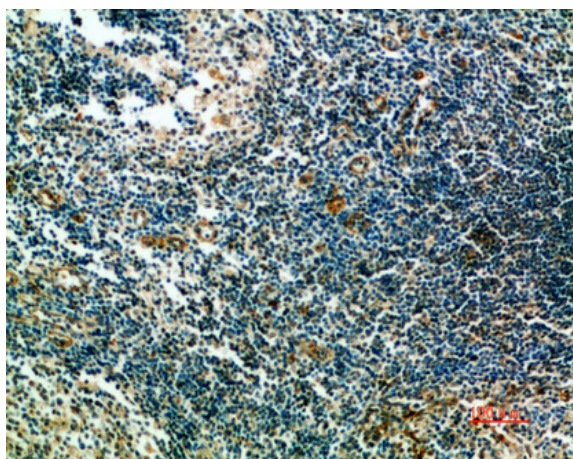
<b>Catalog No :</b>	YT5847
<b>Reactivity :</b>	Human;Rat;Mouse
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	ST6GAL1
<b>Fields :</b>	>>N-Glycan biosynthesis;>>Other types of O-glycan biosynthesis;>>Metabolic pathways
<b>Gene Name :</b>	ST6GAL1 SIAT1
<b>Protein Name :</b>	ST6GAL1
<b>Human Gene Id :</b>	6480
<b>Human Swiss Prot No :</b>	P15907
<b>Mouse Gene Id :</b>	20440
<b>Mouse Swiss Prot No :</b>	Q64685
<b>Rat Swiss Prot No :</b>	P13721
<b>Immunogen :</b>	Synthetic peptide from human protein at AA range: 63-135
<b>Specificity :</b>	The antibody detects endogenous ST6GAL1
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	IHC 1:50-200, ELISA 1:10000-20000, WB 1:500-2000. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	47kD
<b>Cell Pathway :</b>	N-Glycan biosynthesis;
<b>Background :</b>	<p>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],</p>
<b>Function :</b>	<p>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.,</p>
<b>Subcellular Location :</b>	<p>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.</p>
<b>Expression :</b>	Liver,Lymph,Placenta,Skin,Spleen,Thymus,
<b>Tag :</b>	orthogonal
<b>Sort :</b>	1213
<b>No4 :</b>	1
<b>Host :</b>	Rabbit
<b>Modifications :</b>	Unmodified

## Products Images



Liang, Yangui, et al. "Development of a novel method to evaluate sialylation of glycoproteins and analysis of gp96 sialylation in Hela, SW1990 and A549 cell lines." *Biological research* 48.1 (2015): 52.



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