

Rabbit ST6GAL1 Polyclonal Antibody | anti-ST6GAL1 antibody

ST6GAL1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324622	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

ST6GAL1; Polyclonal Antibody; ST6GAL1 Antibody; 6 sialyltransferase; 6-sialyltransferase 1; 6-ST 1; Alpha 2; 6 ST 1; 6 ST; B cell antigen CD75; B-cell antigen CD75; Beta galactoside alpha 2; 6 sialyltransferase 1; Beta-galactoside alpha-2; CMP N acetylneuraminate beta galactosamide alpha 2; CMP-N-acetylneuraminate-beta-galactosamide-alpha-2; MGC48859; Sialyltransferase 1 (beta galactoside alpha 2; 6 sialyltransferase); Sialyltransferase 1; SIAT1; SIAT1_HUMAN; ST6 beta galactosamide alpha 2; 6 sialyltransferase 1; ST6Gal I; ST6GalII; ST6N; anti-ST6GAL1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ST6GAL1 antibody detects endogenous levels of total ST6GAL1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	406
Applicable Applications for anti-ST6GAL1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Golgi Apparatus > Golgi Stack Membrane. Secreted. Membrane-bound form in trans cisternae of Golgi. Secreted into the body fluid.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (91%), Zebrafish (82%), Bovine (100%), Horse (91%), Sheep (100%), Rabbit (91%), Dog (100%), Chicken (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324622 staining RAW264.7 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



IHC (Immunohistochemistry)

AAA324622 at 1/100 staining Human lymph node tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of extracts from RAW264.7 cells, using ST6GAL1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ST6GAL1 antibody

Function: Transfers sialic acid from CMP-sialic acid to galactose-containing acceptor substrates.
Post-translational Modifications: The soluble form derives from the membrane form by proteolytic processing. The HB-6, CDW75, and CD76 differentiation antigens are cell-surface carbohydrate determinants generated by this enzyme.
Similarity: Belongs to the glycosyltransferase 29 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506949
NCBI GeneID	6480
NCBI Accession #	NP_003023.1
NCBI GenBank Nucleotide #	NM_003032.2
UniProt Accession #	P15907; A8KA14; B2R513; D3DNV3
Molecular Weight	Observed: 42 kD Predicted: 47 kDa
NCBI Official Full Name	beta-galactoside alpha-2,6-sialyltransferase 1 isoform a
NCBI Official Synonym Full Names	ST6 beta-galactoside alpha-2,6-sialyltransferase 1
NCBI Official Symbol	ST6GAL1
NCBI Official Synonym Symbols	ST6N; SIAT1; ST6GalI
NCBI Protein Information	beta-galactoside alpha-2,6-sialyltransferase 1
UniProt Protein Name	Beta-galactoside alpha-2,6-sialyltransferase 1
UniProt Gene Name	ST6GAL1
UniProt Synonym Gene Names	SIAT1; Alpha 2,6-ST 1; ST6GalI

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.