

Rabbit ST6GALNAC1 Polyclonal Antibody | anti-ST6GALNAC1 antibody

ST6GALNAC1 antibody - middle region

CATALOG # AAA199804	HOST Rabbit	REACTIVITY Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish	APPLICATIONS Western Blot
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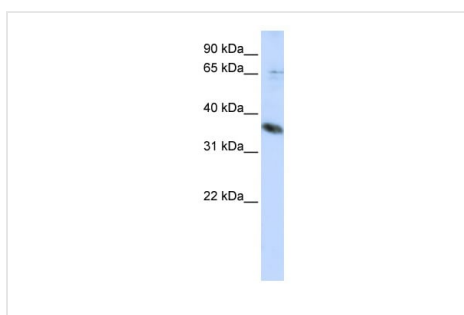
PRODUCT SYNONYMS

ST6GALNAC1; Polyclonal Antibody; ST6GALNAC1 antibody - middle region; anti-ST6GALNAC1 antibody

PRODUCT SPECIFICATIONS

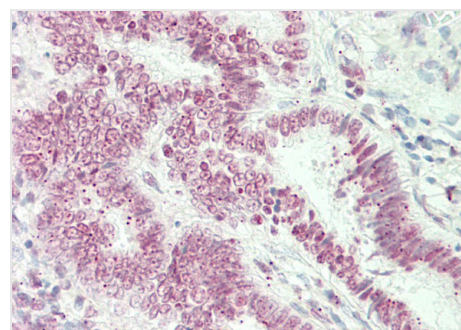
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: LI KGYEQDVGTR TSFYGFATFS LTQSLILGN RGFKNVPLGK DVRYLHFL
Sequence Length	600
Applicable Applications for anti-ST6GALNAC1 antibody	WB (Western Blot)
Homology	Cow: 93%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 79%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human ST6GALNAC1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



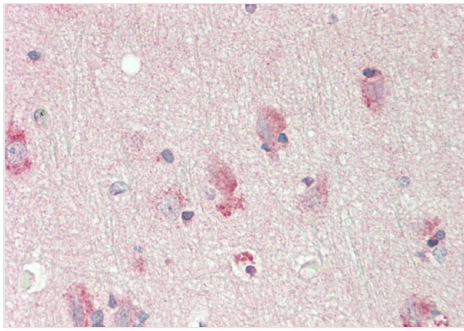
WB (Western Blot)

WB Suggested Anti-ST6GALNAC1 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:1562500
Positive Control: HepG2 cell lysate



IHC (Immunohistochemistry)

Rabbit Anti-ST6GALNAC1 antibody
Formalin Fixed Paraffin Embedded Tissue: Human Uterus
Primary antibody Concentration: 1:100
Secondary Antibody: Donkey anti-Rabbit-Cy3
Secondary Antibody Concentration: 1:200
Magnification: 20x
Exposure Time: 0.5-2.0sec



IHC (Immunohistochemistry)
Rabbit Anti-ST6GALNAC1 antibody
Formalin Fixed Paraffin Embedded Tissue: Human Brain, Cortex
Primary antibody Concentration: 1:100
Secondary Antibody: Donkey anti-Rabbit-Cy3
Secondary Antibody Concentration: 1:200
Magnification: 20x
Exposure Time: 0.5-2.0sec

ADDITIONAL INFORMATION

Related Product Information for anti-ST6GALNAC1 antibody	This is a rabbit polyclonal antibody against ST6GALNAC1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: Glycosylation of proteins affects cell-cell interaction, interactions with the matrix, and the functions of intracellular molecules. ST6GALNAC1 transfers a sialic acid, N-acetylneuraminic acid (NeuAc), in an alpha-2,6 linkage to O-linked GalNAc residues. The cancer-associated sialyl-Tn (sTn) antigen is formed by ST6GALNAC1-catalyzed sialylation of GalNAc residues on mucins. Glycosylation of proteins affects cell-cell interaction, interactions with the matrix, and the functions of intracellular molecules. ST6GALNAC1 transfers a sialic acid, N-acetylneuraminic acid (NeuAc), in an alpha-2,6 linkage to O-linked GalNAc residues. The cancer-associated sialyl-Tn (sTn) antigen is formed by ST6GALNAC1-catalyzed sialylation of GalNAc residues on mucins (Ikehara et al., 1999 [PubMed 10536037]; Sewell et al., 2006 [PubMed 16319059]).[supplied by OMIM]. PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-162 DA594489.1 27-188 163-2334 Y11339.2 49-2220 2335-2530 AK000113.1 1515-1710 2531-2550 Y11339.2 2418-2437
Product Categories/Family for anti-ST6GALNAC1 antibody	Polyclonal; Signal Proteins; Membrane Protein; Glycosylation

NCBI AND UNIPROT INFORMATION

NCBI GI #	21264332
NCBI GeneID	55808
NCBI Accession #	NP_060884
NCBI GenBank Nucleotide #	NM_018414
UniProt Accession #	Q9NSC7
Molecular Weight	68kDa
NCBI Official Full Name	alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase 1 isoform 1
NCBI Official Synonym Full Names	ST6 N-acetylgalactosaminide alpha-2,6-sialyltransferase 1
NCBI Official Symbol	ST6GALNAC1
NCBI Official Synonym Symbols	STYI; SIAT7A; HSY11339; ST6GalNAcI
NCBI Protein Information	alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase 1
UniProt Protein Name	Alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase 1
UniProt Gene Name	ST6GALNAC1
UniProt Synonym Gene Names	SIAT7A; ST6GalNAcI; SIAT7-A

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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/st6galnac1-antibody-western-blot-elisa/199804>