



Datasheet for ABIN2773898
anti-ST6GALNAC1 antibody (Middle Region)



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3 Images

Overview

Quantity:	100 µL
Target:	ST6GALNAC1
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Guinea Pig, Horse, Rabbit, Cow, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ST6GALNAC1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human ST6GALNAC1
Sequence:	LIKGYEQDVG TRTSFYGFSTA FSLTQSLIL GNRGFKNVPL GKDVRYLHFL
Predicted Reactivity:	Cow: 93%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 79%
Characteristics:	This is a rabbit polyclonal antibody against ST6GALNAC1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	ST6GALNAC1
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Target Details

Alternative Name: ST6GALNAC1 ([ST6GALNAC1 Products](#))

Background: 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
Alias Symbols: HSY11339, SIAT7A, ST6GalNAcI, STYI
Protein Interaction Partner: EXOSC2, UBC,
Protein Size: 600

Molecular Weight: 68 kDa

Gene ID: 55808

NCBI Accession: [NM_018414](#), [NP_060884](#)

UniProt: [Q9NSC7](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 600 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Handling

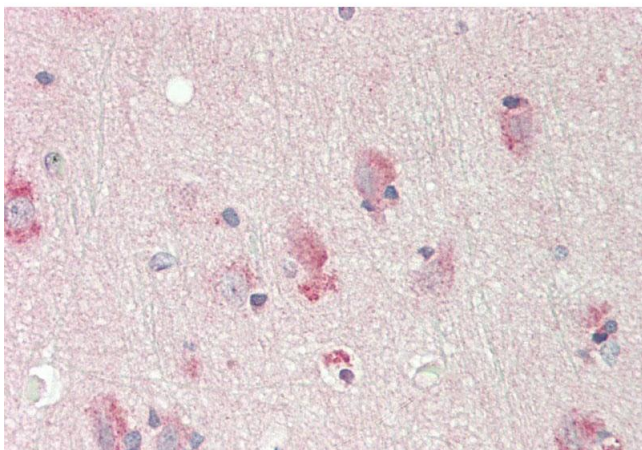
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



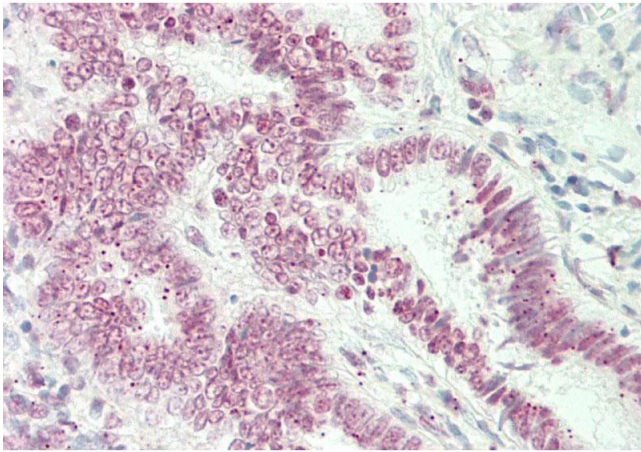
Western Blotting

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



Immunohistochemistry

Image 2. 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



Immunohistochemistry

Image 3. 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