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Datasheet for ABIN2856261
anti-ST3GAL1 antibody

3 Images

Overview

Quantity:	100 µL
Target:	ST3GAL1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ST3GAL1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human SIAT4A. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Rabbit Polyclonal antibody to SIAT4A (ST3 beta-galactoside alpha-2,3-sialyltransferase 1) SIAT4A antibody
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	ST3GAL1
Alternative Name:	ST3 beta-galactoside alpha-2,3-sialyltransferase 1 (ST3GAL1 Products)

Target Details

Background: The protein encoded by this gene is a type II membrane protein that catalyzes the transfer of sialic acid from CMP-sialic acid to galactose-containing substrates. The encoded protein is normally found in the Golgi but can be proteolytically processed to a soluble form. Correct glycosylation of the encoded protein may be critical to its sialyltransferase activity. This protein, which is a member of glycosyltransferase family 29, can use the same acceptor substrates as does sialyltransferase 4B. Two transcript variants encoding the same protein have been found for this gene. Other transcript variants may exist, but have not been fully characterized yet.

Cellular Localization: Golgi apparatus , Golgi stack membrane, Single-pass type II membrane protein , Secreted

Molecular Weight: 39 kDa

Gene ID: 6482

UniProt: [Q11201](#)

Pathways: [Glycosaminoglycan Metabolic Process](#)

Application Details

Application Notes: WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

Comment: Validation: Orthogonal

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.63 mg/mL

Buffer: 1XPBS pH 7, 20 % Glycerol, 0.025 % ProClin 300

Preservative: ProClin

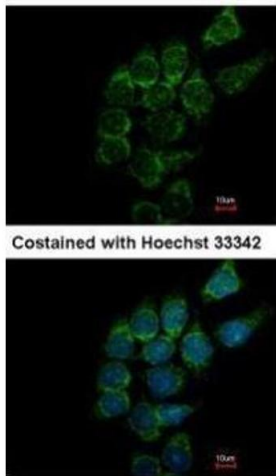
Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid

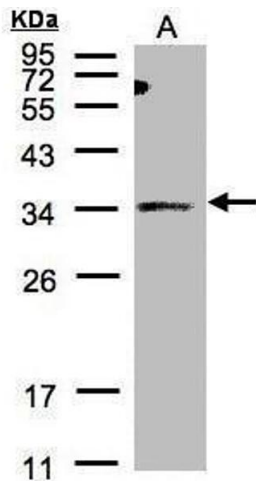
multiple freeze-thaw cycles.

Images



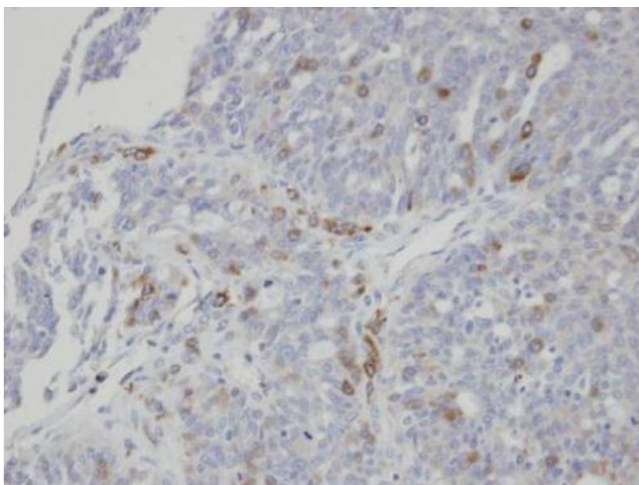
Immunofluorescence

Image 1. ICC/IF Image Immunofluorescence analysis of methanol-fixed Hep3B, using SIAT4A, antibody at 1:500 dilution.



Western Blotting

Image 2. WB Image Sample(30 µg of whole cell lysate) A:HeLa S3, 12% SDS PAGE antibody diluted at 1:500



Immunohistochemistry

Image 3. IHC-P Image Immunohistochemical analysis of paraffin-embedded human serous ovarian cancer, using ST3GAL1, antibody at 1:100 dilution.