

Datasheet for ABIN500813
anti-ST3GAL6 antibody (C-Term)



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2 Images

Overview

Quantity:	0.1 mg
Target:	ST3GAL6
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ST3GAL6 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA), Immunofluorescence (IF)

Product Details

Immunogen:	ST3gal6 antibody was raised against a 16 amino acid peptide from near the carboxy terminus of Human ST3gal6.
Isotype:	IgG
Specificity:	This antibody detects ST3GAL6.
Cross-Reactivity (Details):	Species reactivity (tested): Human, Mouse and Rat
Purification:	Peptide Affinity Chromatography

Target Details

Target:	ST3GAL6
Alternative Name:	ST3GAL6 (ST3GAL6 Products)

Target Details

Background: Sialyltransferases catalyze the transfer of sialic acid from cytidine 5-prime monophospho-N-acetylneuraminic acid (CMP-NeuAc) to terminal positions of glycoprotein and glycolipid carbohydrate groups. Terminal NeuAc residues are key determinants of carbohydrate structures, such as the sialyl-Lewis X determinants, and are widely distributed in many cell types. However, cancer cells often express more heavily sialylated glycans on their cell surface and this feature sometimes correlates with invasiveness. In contrast, expression of ST3gal6, a member of the sialyltransferase family that sialylates type II lactosamine structures on glycoproteins and glycolipids, was found to be significantly decreased by hypermethylation of the gene in gastrointestinal cancer. At least three isoforms of ST3gal6 are known to exist. Synonyms: 3-sialyltransferase, 3-sialyltransferase VI, CMP-NeuAc:beta-galactoside alpha-2, SIAT10, ST3Gal VI, ST3GalVI, Sialyltransferase 10, Type 2 lactosamine alpha-2

Gene ID: 10402

NCBI Accession: [NP_006091](#)

Pathways: [Glycosaminoglycan Metabolic Process](#)

Application Details

Application Notes: ELISA. Western blot: 1 - 2 µg/mL. Immunofluorescence.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: PBS containing 0.02 % Sodium Azide as preservative

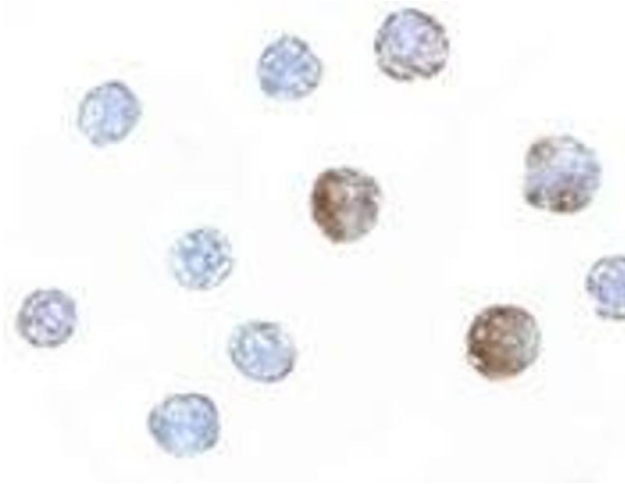
Preservative: Sodium azide

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 freezing and thawing.

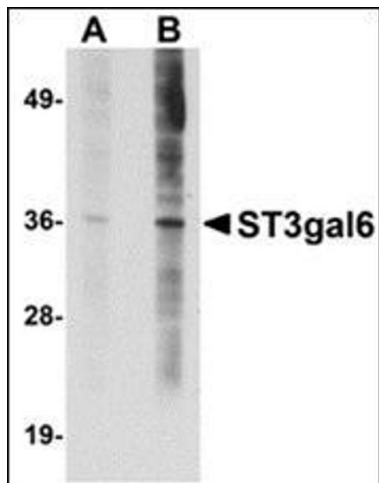
Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunofluorescence

Image 1. Immunocytochemistry of ST3gal6 in HeLa cells with this product at 5 $\mu\text{g/ml}$.



Western Blotting

Image 2. Western blot analysis of ST3gal6 in HeLa cell lysate with this product at (A) 1 and (B) 2 $\mu\text{g/ml}$.