

ST3gal6 Antibody

Catalog No: #24896

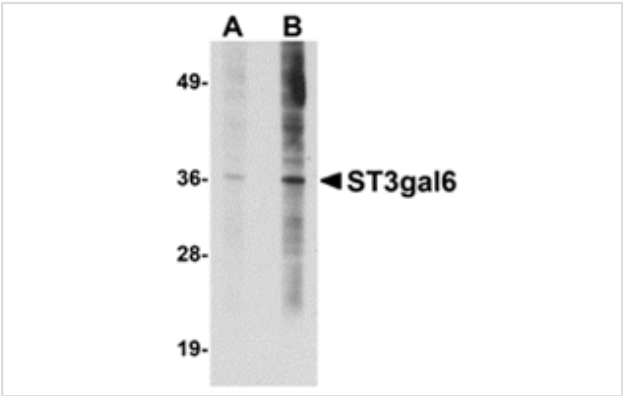


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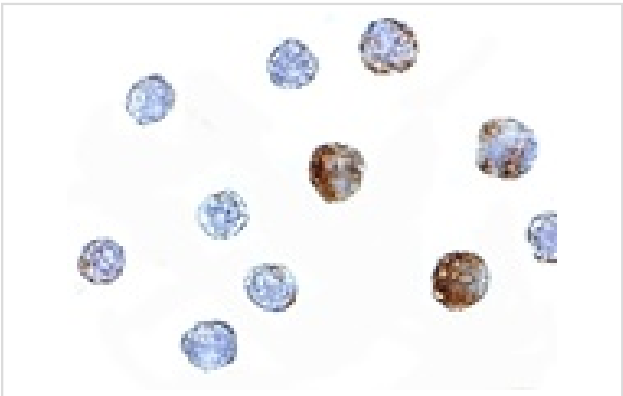
Description

Product Name	ST3gal6 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB ICC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 16 amino acid peptide from near the carboxy terminus of human ST3gal6.
Target Name	ST3gal6
Other Names	Alpha2, 3-sialyltransferase 6, ST3Gal VI, sialt10
Accession No.	Swiss-Prot:Q9Y274Gene ID:10402
Uniprot	Q9Y274
GeneID	10402;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of ST3gal6 in HeLa cell lysate with ST3gal6 antibody at (A) 1 and (B) 2 ug/mL.



Immunocytochemistry of ST3gal6 in HeLa cells with ST3gal6 antibody at 5 ug/mL.

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.

Note: This product is for in vitro research use only