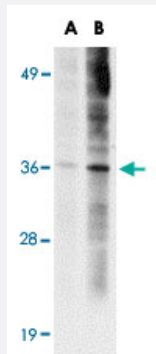


ST3GAL6 polyclonal antibody

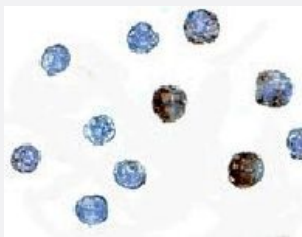
Catalog # PAB16746 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of ST3GAL6 in HeLa cell lysate with ST3GAL6 polyclonal antibody (Cat # PAB16746) at (A) 1 and (B) 2 ug/mL .



Immunocytochemistry

Immunocytochemistry of ST3GAL6 in HeLa cells with ST3GAL6 polyclonal antibody (Cat # PAB16746) at 5 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ST3GAL6.
Immunogen	A synthetic peptide corresponding to C-terminus 16 amino acids of human ST3GAL6.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Recommend Usage	Western Blot (1-2 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of ST3GAL6 in HeLa cell lysate with ST3GAL6 polyclonal antibody (Cat # PAB16746) at (A) 1 and (B) 2 ug/mL .

- Immunocytochemistry

Immunocytochemistry of ST3GAL6 in HeLa cells with ST3GAL6 polyclonal antibody (Cat # PAB16746) at 5 ug/mL .

- Enzyme-linked Immunoabsorbent Assay

Gene Info — ST3GAL6

Entrez GeneID	10402
Protein Accession#	NP_006091
Gene Name	ST3GAL6
Gene Alias	SIAT10, ST3GALVI
Gene Description	ST3 beta-galactoside alpha-2,3-sialyltransferase 6
Omim ID	607156
Gene Ontology	Hyperlink
Gene Summary	Sialyltransferases, such as ST3GAL6, 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.[supplied by OMIM]
Other Designations	alpha2,3-sialyltransferase alpha2,3-sialyltransferase VI sialyltransferase 10 (alpha-2,3-sialyltransferase VI)

Publication Reference

- [DNA hypermethylation contributes to incomplete synthesis of carbohydrate determinants in gastrointestinal cancer.](#)

Kawamura YI, Toyota M, Kawashima R, Hagiwara T, Suzuki H, Imai K, Shinomura Y, Tokino T, Kannagi R, Dohi T.
Gastroenterology 2008 Jul; 135(1):142.

- [Sialyltransferases in cancer.](#)

Dall'Olio F, Chiricolo M.

Glycoconj J 2001 Nov; 18(11-12):841.

Application: WB, Human, Cancers

- [Molecular cloning of a novel alpha2,3-sialyltransferase \(ST3Gal VI\) that sialylates type II lactosamine structures on glycoproteins and glycolipids.](#)

Okajima T, Fukumoto S, Miyazaki H, Ishida H, Kiso M, Furukawa K, Urano T, Furukawa K.

The Journal of Biological Chemistry 1999 Apr; 274(17):11479.

Application: WB, Human, Human red blood cells, Sialic acid-incorporated products

Pathway

- [Glycosphingolipid biosynthesis - lacto and neolacto series](#)
- [Metabolic pathways](#)

Disease

- [Obesity](#)