

ST6GAL2 Antibody(C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP19472b

Product Information

Application	WB, E
Primary Accession	Q96JF0
Other Accession	NP_001135823.1
Reactivity	Human
Predicted	Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB40602
Calculated MW	60158
Antigen Region	483-509

Additional Information

Gene ID	84620
Other Names	Beta-galactoside alpha-2, 6-sialyltransferase 2, Alpha 2, 6-ST 2, CMP-N-acetylneuraminate-beta-galactosamide-alpha-2, 6-sialyltransferase 2, ST6Gal II, ST6GalII, hST6Gal II, Sialyltransferase 2, ST6GAL2, KIAA1877, SIAT2
Target/Specificity	This ST6GAL2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 483-509 amino acids from the C-terminal region of human ST6GAL2.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ST6GAL2 Antibody(C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ST6GAL2
Synonyms	KIAA1877, SIAT2

Function	Transfers sialic acid from the donor of substrate CMP-sialic acid to galactose containing acceptor substrates. Has alpha-2,6- sialyltransferase activity toward oligosaccharides that have the Gal- beta-1,4-GlcNAc sequence at the non-reducing end of their carbohydrate groups, but it has weak or no activities toward glycoproteins and glycolipids.
Cellular Location	Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein
Tissue Location	Weakly expressed in some tissues, such as small intestine, colon and fetal brain.

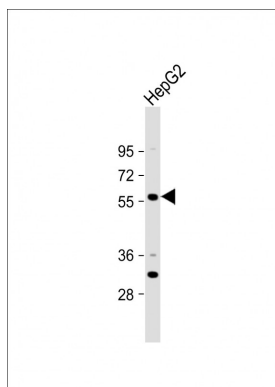
Background

Sialyltransferases, such as ST6GAL2 (EC 2.4.99.1), are type II transmembrane proteins that catalyze the transfer of sialic acid from CMP-sialic acid to an acceptor carbohydrate, usually to the terminal ends of carbohydrate chains.

References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Ikeda, M., et al. Biol. Psychiatry 67(3):263-269(2010)
Lehoux, S., et al. Glycoconj. J. 27(1):99-114(2010)
Trynka, G., et al. Gut 58(8):1078-1083(2009)
Krzewinski-Recchi, M.A., et al. Eur. J. Biochem. 270(5):950-961(2003)

Images



Anti-ST6GAL2 Antibody (C-term) at 1:1000 dilution + HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 60 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.