

For Research Use Only

ST3GAL2 Recombinant monoclonal antibody

Catalog Number: 85634-2-RR



Basic Information

Catalog Number: 85634-2-RR	GenBank Accession Number: BC036777	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 6483	CloneNo.: 253479G5
Source: Rabbit	UNIPROT ID: Q16842	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:500-1:2000
Isotype: IgG	Full Name: ST3 beta-galactoside alpha-2,3-sialyltransferase 2	
Immunogen Catalog Number: AG4528	Calculated MW: 350 aa, 40 kDa	
	Observed MW: 40-43 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human	WB : HT-29 cells, NCI-H1299 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human colon cancer tissue,

Background Information

Beta-galactoside alpha-2,3-sialyltransferase 2 (ST3GAL2) is a sialyltransferase (ST) that transfers sialic acid from the activated donor CMP-sialic acid to the glycan terminus of a glycolipid or glycoprotein. ST3GAL2 contains two putative N-glycosylation sites (Asn92 and Asn211), which are mainly responsible for GD1a and GT1b ganglioside biosynthesis in the brain. ST3GAL2 belongs to the sialyltransferase family, which mediates the terminal modification of glycoproteins and glycolipids. ST3GAL2 has been found to play a role in obesity, aging, and malignant diseases (PMID: 34319453).

Storage

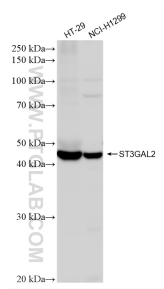
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

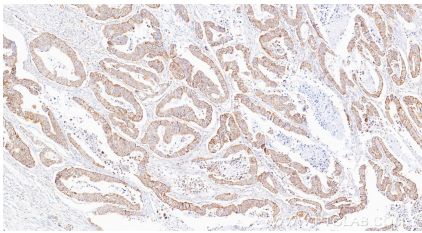
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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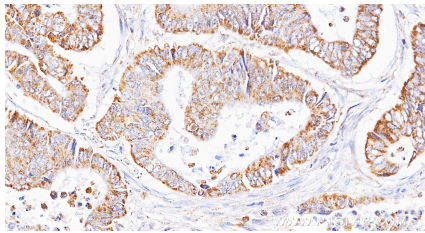
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85634-2-RR (ST3GAL2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 85634-2-RR (ST3GAL2 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 85634-2-RR (ST3GAL2 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).