

ST3GAL2 Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number: 85634-2-PBS

Basic Information

Catalog Number: 85634-2-PBS	GenBank Accession Number: BC036777	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 6483	CloneNo.: 253479G5
Source: Rabbit	UNIPROT ID: Q16842	
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, Cytometric bead array, Indirect ELISA

Species Specificity:
human

Product Information

85634-2-PBS targets ST3GAL2 as part of a matched antibody pair:

MP03241-1: 85634-3-PBS capture and 85634-2-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

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).

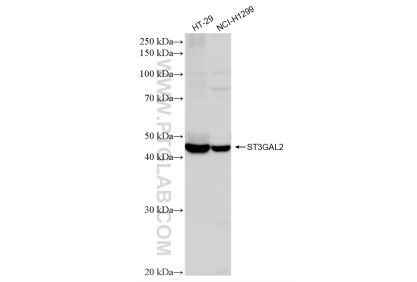
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

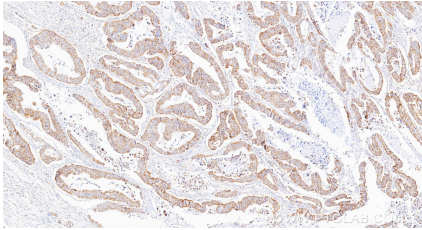
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

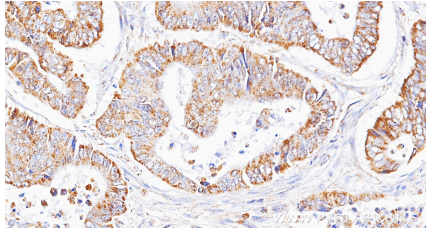
Selected Validation Data



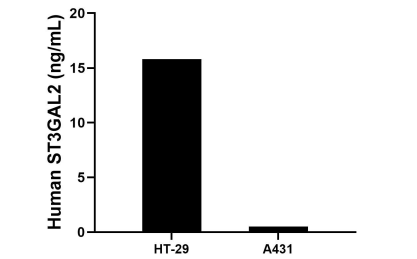
Various lysates were subjected to SDS PAGE followed by western blot with 85634-2-RR (ST3GAL2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85634-2-PBS in a different storage buffer formulation.



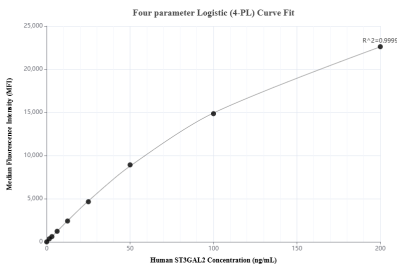
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 85634-2-RR (ST3GAL2 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 85634-2-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 85634-2-PBS in a different storage buffer formulation.



The mean ST3GAL2 concentration was determined to be 15.8 ng/mL in HT-29 cell extract based on a 1.2 mg/mL extract load, 0.5 ng/mL in A431 cell extract based on a 1.2 mg/mL extract load.



Cytometric bead array standard curve of MP03241-1, ST3GAL2 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 85634-3-PBS. Detection antibody: 85634-2-PBS. Standard: Ag4528. Range: 1.562-200 ng/mL.