

For Research Use Only

ST6GALNAC6 Monoclonal antibody

Catalog Number: 66209-1-Ig



Basic Information

Catalog Number: 66209-1-Ig	GenBank Accession Number: BC007802	Purification Method: Protein A purification
Size: 150ul, Concentration: 1600 µg/ml by Nanodrop and 740 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 30815	CloneNo.: 1A7B7
Source: Mouse	Full Name: ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3)-N-acetylglucosaminide alpha-2,6-sialyltransferase 6	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500 IF 1:200-1:800
Isotype: IgG1	Calculated MW: 333aa, 38 kDa; 374aa, 41 kDa	
Immunogen Catalog Number: AG8358	Observed MW: 38-42 kDa	

Applications

Tested Applications:

IF, IHC, WB, ELISA

Species Specificity:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : COLO 320 cells,

IHC : mouse colon tissue, human skin tissue

IF : human colon cancer tissue,

Background Information

ST6GALNAC6 is a sialyltransferase which is responsible for the synthesis of all a-series gangliosides. It has a broad expression pattern. ST6GALNAC6 was reported to be a key enzyme in the synthesis of disialyl monosialyl Lewis (Lea), a representative tumor-associated antigen in cancers of the pancreas and colon.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

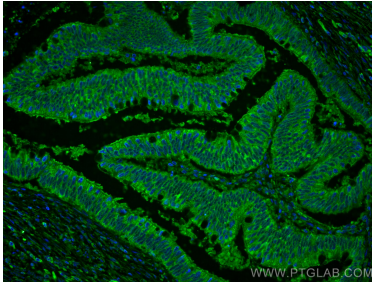
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

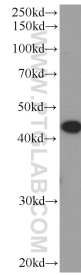
E: proteintech@ptglab.com
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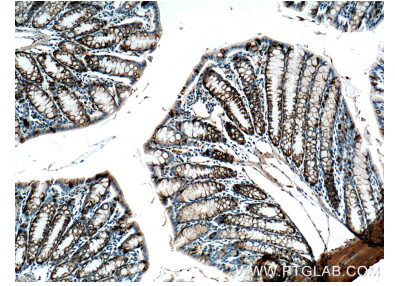
Selected Validation Data



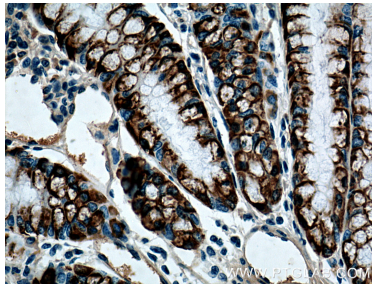
Immunofluorescent analysis of (4% PFA) fixed human colon cancer tissue using ST6GALNAC6 antibody (66209-1-Ig, Clone: 1A7B7) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



COLO 320 cells were subjected to SDS PAGE followed by western blot with 66209-1-Ig (ST6GALNAC6 Antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 66209-1-Ig (ST6GALNAC6 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 66209-1-Ig (ST6GALNAC6 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).