

For Research Use Only

# ST6GALNAC6 Monoclonal antibody

Catalog Number: 66209-1-Ig



## Basic Information

### Catalog Number:

66209-1-Ig

### Size:

150ul, Concentration: 1600 ug/ml by Nanodrop and 740 ug/ml by Bradford method using BSA as the standard;

### Source:

Mouse

### Isotype:

IgG1

### Immunogen Catalog Number:

AG8358

### GenBank Accession Number:

BC007802

### GeneID (NCBI):

30815

### UNIPROT ID:

Q969X2

### Full Name:

ST6 (alpha-N-acetyl-neuraminy-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 6

### Calculated MW:

333aa, 38 kDa; 374aa, 41 kDa

### Observed MW:

38-42 kDa

### Purification Method:

Protein G purification

### CloneNo.:

1A7B7

### Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

IF-P 1:200-1:800

## Applications

### Tested Applications:

WB, IHC, IF-P, 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-P: 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, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

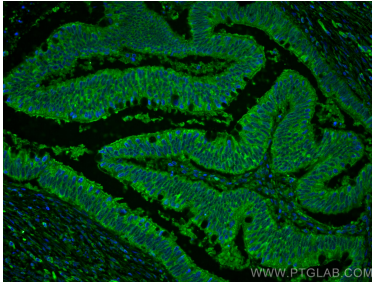
For technical support and original validation data for this product please contact:

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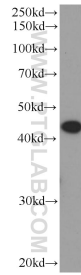
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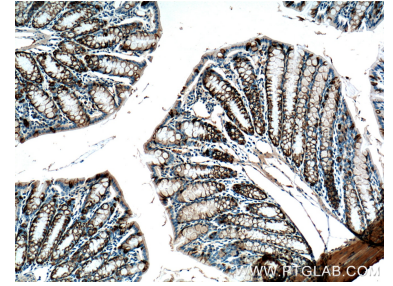
## Selected Validation Data



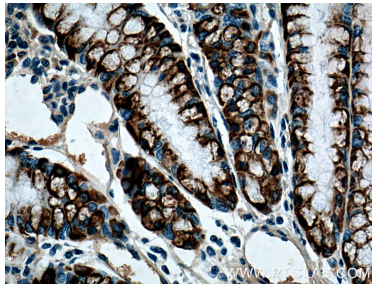
Immunofluorescent analysis of (4% PFA) fixed human colon cancer tissue using ST6GALNAC6 antibody (66209-1-Ig, Clone: 1A7B7 ) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



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).