

For Research Use Only

# B3GNT3 Polyclonal antibody

Catalog Number: 18098-1-AP

8 Publications



## Basic Information

### Catalog Number:

18098-1-AP

### Size:

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

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG12061

### GenBank Accession Number:

BC066876

### GeneID (NCBI):

10331

### UNIPROT ID:

Q9Y2A9

### Full Name:

UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 3

### Calculated MW:

372 aa, 43 kDa

### Observed MW:

43 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human, mouse

### Cited Species:

human

**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 : HeLa cells, mouse lung tissue, SH-SY5Y cells

IHC : human colon tissue,

IF/ICC : U2OS cells,

## Background Information

Beta-1,3-N-acetylglucosaminyltransferase 3 (B3GNT3) is a type II transmembrane protein located in the Golgi apparatus and contributes to the regulation of L-selectin ligand function, lymphocyte trafficking, and T cell homing. B3GNT3 is overexpressed in breast cancer, and also plays a critical role in the aggressiveness of pancreatic cancer (PMID: 33718036, 30466404). Western blot analysis detected B3GNT3 at an apparent molecular mass of 43 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xuefeng Leng	33718036	Transl Lung Cancer Res	IHC
Liuwei Gao	29483137	J Clin Pathol	WB,IHC
Kaiwen Kong	33552277	Oncol Lett	IHC

## 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

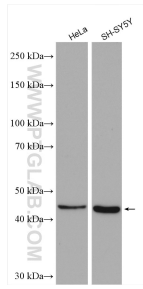
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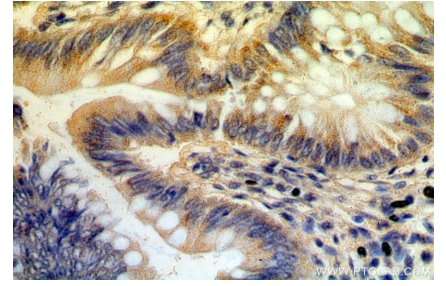
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 18098-1-AP (B3GNT3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon using 18098-1-AP (B3GNT3 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon using 18098-1-AP (B3GNT3 antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed U2OS cells using B3GNT3 antibody (18098-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).