

For Research Use Only

B3GNT3 Polyclonal antibody

Catalog Number: 18098-1-AP **8 Publications**



Basic Information

Catalog Number: 18098-1-AP	GenBank Accession Number: BC066876	Purification Method: Antigen affinity purification
Size: 740 ug/ml	GeneID (NCBI): 10331	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200 IF/ICC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9Y2A9	
Isotype: IgG	Full Name: UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 3	
Immunogen Catalog Number: AG12061	Calculated MW: 372 aa, 43 kDa	
	Observed MW: 43 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : HeLa cells, mouse lung tissue, SH-SY5Y cells IHC : human colon tissue, IF/ICC : U2OS cells,
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	

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

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

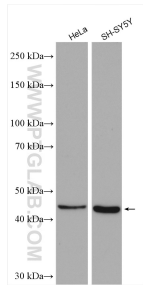
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

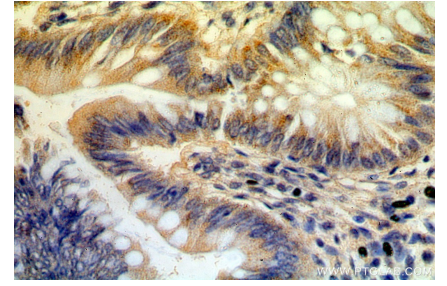
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 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).