

For Research Use Only

B3GAT1 Polyclonal antibody

Catalog Number: 19401-1-AP **5 Publications**



Basic Information

Catalog Number: 19401-1-AP	GenBank Accession Number: BC010466	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 27087	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9P2W7	
Isotype: IgG	Full Name: beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P)	
Immunogen Catalog Number: AG13550	Calculated MW: 38 kDa	
	Observed MW: 45 kDa, 70 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : PC-12 cells, SH-SY5Y cells
Cited Applications: IF, IHC	IHC : mouse brain tissue, mouse spleen tissue, human thyroid cancer tissue, human prostate cancer tissue
Species Specificity: human, mouse	
Cited Species: 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

Background Information

B3GAT1 is associated with glycosaminoglycan biosynthesis. It plays a key role in neurodevelopment. The calculated molecular weight of B3GAT1 is 38 kDa and 19401-1-AP antibody detects 45 and 70 kDa forms in SDS-PAGE which might as a result of different degrees of glycosylation or the formation of homodimer.

Notable Publications

Author	Pubmed ID	Journal	Application
Sihui Yu	35626004	Cancers (Basel)	IHC
Jing Zhang	35042621	Gynecol Oncol	IHC
Jie Chen	34976977	Front Bioeng Biotechnol	IF

Storage

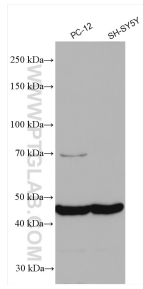
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

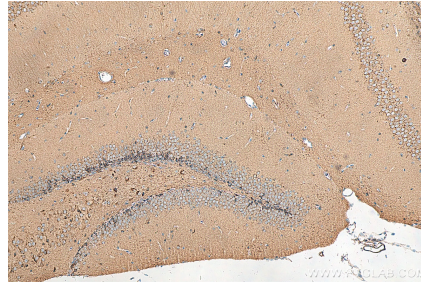
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 19401-1-AP (B3GAT1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 19401-1-AP (CD57 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).