

For Research Use Only

B3GAT1 Polyclonal antibody

Catalog Number: 19401-1-AP

6 Publications



Basic Information

Catalog Number:

19401-1-AP

Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13550

GenBank Accession Number:

BC010466

GeneID (NCBI):

27087

UNIPROT ID:

Q9P2W7

Full Name:

beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P)

Calculated MW:

38 kDa

Observed MW:

45 kDa, 70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

IHC, IF

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

Positive Controls:

WB: PC-12 cells, SH-SY5Y cells

IHC: mouse brain tissue, mouse spleen tissue, human thyroid cancer tissue, human prostate cancer tissue

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, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

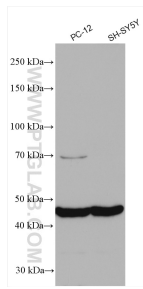
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T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

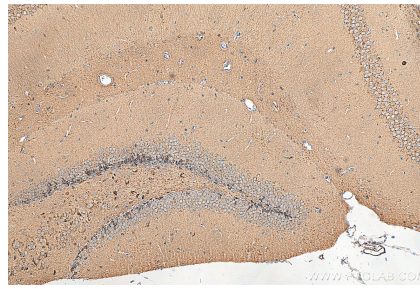
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Selected Validation Data



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).