

For Research Use Only

B4GALT3 Polyclonal antibody

Catalog Number: 11041-1-AP **4 Publications**



Basic Information

Catalog Number: 11041-1-AP	GenBank Accession Number: BC009985	Purification Method: Antigen affinity purification
Size: 350 µg/ml	GeneID (NCBI): 8703	Recommended Dilutions: WB 1:500-1:3000 IHC 1:20-1:300 IF 1:50-1:500
Source: Rabbit	UNIPROT ID: O60512	
Isotype: IgG	Full Name: UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 3	
Immunogen Catalog Number: AG1487	Calculated MW: 44 kDa	

Applications

Tested Applications: IF/ICC, IHC, WB, ELISA	Positive Controls: WB : HepG2 cells, NIH/3T3 cells
Cited Applications: IF, WB	IHC : human liver cancer tissue, human breast cancer tissue
Species Specificity: human, mouse	IF : A431 cells,
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

B4GALT3 is an enzyme responsible for the generation of poly-N-acetylglucosamine. The B4GALTs transfer galactose from UDP-Gal to N-acetylglucosamine (GlcNAc)-terminated oligosaccharides on N-glycan, O-glycan, or glycolipid to form N-acetylglucosamin (PMID: 23444218). B4GALT3 has been found to regulate cancer cell invasion (PMID: 25659296). B4GALT3 knockdown increased cell migration, invasion and the activation of β 1 integrin and its downstream signaling (PMID: 24403309).

Notable Publications

Author	Pubmed ID	Journal	Application
Katarzyna Binięda	33477664	Int J Mol Sci	WB,IF
Miao He	38244579	Aging (Albany NY)	WB
Karsten Nalbach	36797266	Nat Commun	WB

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:

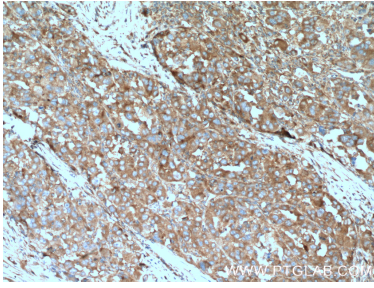
T: 4006900926

E: Proteintech-CN@ptglab.com

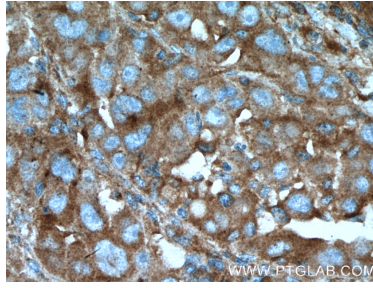
W: ptgcn.com

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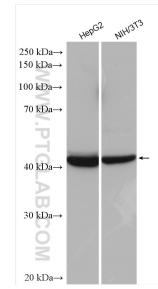
Selected Validation Data



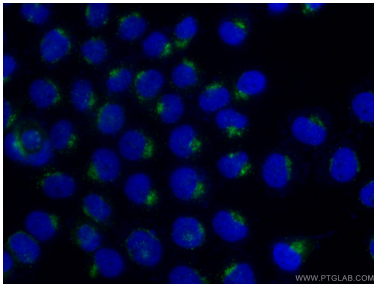
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 11041-1-AP (B4GALT3 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 11041-1-AP (B4GALT3 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



Various lysates were subjected to SDS PAGE followed by western blot with 11041-1-AP (B4GALT3 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using 11041-1-AP (B4GALT3 antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).