

For Research Use Only

GALNT4 Polyclonal antibody

Catalog Number: 12897-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number: 12897-1-AP	GenBank Accession Number: BC036390	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 160 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 8693	Recommended Dilutions: WB 1:200-1:1000 IHC 1:20-1:200
Source: Rabbit	Full Name: UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 4 (GalNAc-T4)	
Isotype: IgG	Calculated MW: 578 aa, 67 kDa	
Immunogen Catalog Number: AG3590	Observed MW: 67 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : HeLa cells, IHC : human prostate cancer tissue,
Cited Applications: IHC, WB	
Species Specificity: human	
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

GALNT4 is a member of N-acetylgalactosaminyltransferases (GALNTs) which are responsible for initiating step of mucin-type O-glycosylation. Desregulation of GALNTs expression can exert pivotal functions during malignant transformation. It has been reported that GALNT4 expression is markedly repressed in tumoral tissues and lower expression of GALNT4 is significant associated with the adverse survival, indicating its potential role as prognostic factor for cancers like hepatocellular carcinoma.

Notable Publications

Author	Pubmed ID	Journal	Application
Tal Ilani	36245281	EMBO J	WB
Yidong Liu	28062574	J Biol Chem	WB,IHC
Zhishuai Ye	34974060	J Mol Cell Cardiol	WB,IHC

Storage

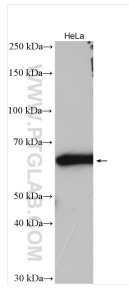
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

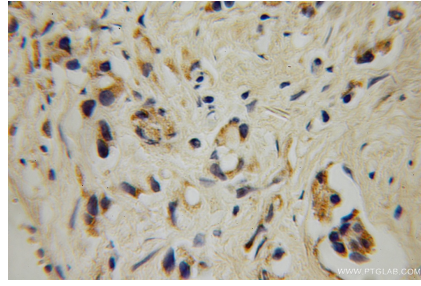
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 12897-1-AP (GALNT4 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer using 12897-1-AP (GALNT4 antibody) at dilution of 1:100 (under 10x lens).