

For Research Use Only

GALNT4 Polyclonal antibody

Catalog Number: 12897-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number:

12897-1-AP

Size:

150ul, Concentration: 160 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3590

GenBank Accession Number:

BC036390

GeneID (NCBI):

8693

UNIPROT ID:

Q8N4A0

Full Name:

UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 4 (GalNAc-T4)

Calculated MW:

578 aa, 67 kDa

Observed MW:

67 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IHC 1:20-1:200

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human

Cited Species:

human, mouse

Positive Controls:

WB: HeLa cells,

IHC: human prostate cancer tissue,

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

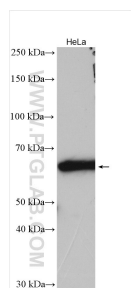
For technical support and original validation data for this product please contact:

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

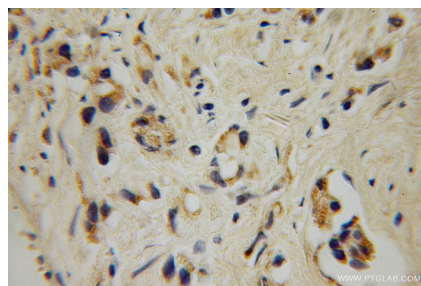
E: proteintech@ptglab.com
W: ptglab.com

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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).