

For Research Use Only

GALNS Polyclonal antibody

Catalog Number:14933-1-AP

1 Publications



Basic Information

Catalog Number: 14933-1-AP	GenBank Accession Number: BC050684	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2588	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P34059	
Isotype: IgG	Full Name: galactosamine (N-acetyl)-6-sulfate sulfatase	
Immunogen Catalog Number: AG6746	Calculated MW: 58 kDa	
	Observed MW: 50-55 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : MCF-7 cells, human liver tissue, HepG2 cells, HeLa cells IHC : human liver cancer tissue,
Cited Applications: IHC, IF	
Species Specificity: human	
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

GALNS(N-acetylgalactosamine-6-sulfatase) is also named as chondroitinase and belongs to the sulfatase family. It is one of sulfatases required to degrade glycosaminoglycans (GAGs), keratan sulfate (KS) and chondroitin-6-sulfate (C6S) and the enzyme is a dimer derived from two 60 kDa polypeptides, each of which is processed to 40 kDa and 15 kDa polypeptide subunits linked by disulfide bonds(PMID:15241807). The deduced 522-residue protein is composed of a 26-amino acid N-terminal signal peptide and a mature polypeptide of 496 amino acid residues, including 2 potential asparagine-linked glycosylation sites(PMID:1755850). Defects in GALNS are the cause of mucopolysaccharidosis type 4A (MPS4A), also known as Morquio A syndrome.

Notable Publications

Author	Pubmed ID	Journal	Application
Jin Zhang	37707658	Discov Oncol	IHC,IF

Storage

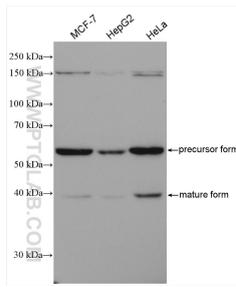
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

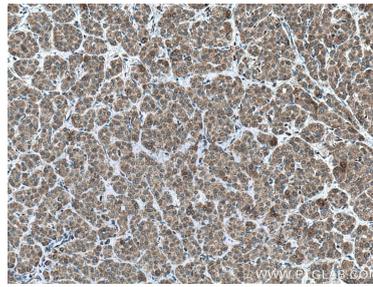
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

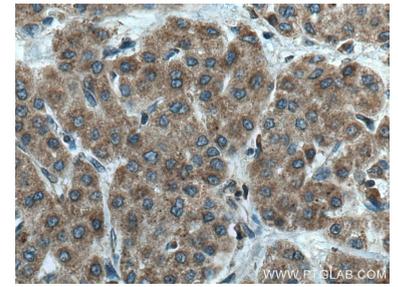
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 14933-1-AP (GALNS antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 14933-1-AP (GALNS 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 14933-1-AP (GALNS antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).