

For Research Use Only

NAGA Polyclonal antibody

Catalog Number: 15096-1-AP **1 Publications**



Basic Information

Catalog Number: 15096-1-AP	GenBank Accession Number: BC000095	Purification Method: Antigen affinity purification
Size: 500 µg/ml	GeneID (NCBI): 4668	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:20-1:200 IF 1:20-1:200
Source: Rabbit	UNIPROT ID: P17050	
Isotype: IgG	Full Name: N-acetylgalactosaminidase, alpha-	
Immunogen Catalog Number: AG7172	Calculated MW: 47 kDa	
	Observed MW: 48 kDa, 60-70 kDa	

Applications

Tested Applications: IF/ICC, IHC, WB, ELISA	Positive Controls: WB : HeLa cells, U2OS cells IHC : human placenta tissue, IF : HeLa cells,
Cited Applications: WB	
Species Specificity: human, mouse, rat	
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

NAGA belongs to the glycosyl hydrolase 27 family. It removes terminal alpha-N-acetylgalactosamine residues from glycolipids and glycopeptides. It is required for the breakdown of glycolipids. Biosynthetic studies performed with cultured fibroblasts indicated that the human enzyme was synthesized as a 65 kDa glycosylated precursor which was processed to a mature 48-kDa lysosomal form; both the precursor and mature forms had high mannose type oligosaccharide chains, but only the precursor's mannose residues were phosphorylated. 90-117 kDa is a homodimer of NAGA.

Notable Publications

Author	Pubmed ID	Journal	Application
Yong Huang	32938225	Am J Physiol Cell Physiol	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:

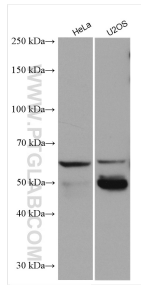
T: 4006900926

E: Proteintech-CN@ptglab.com

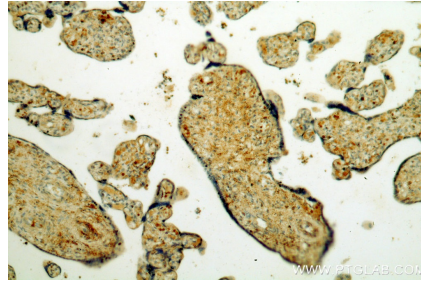
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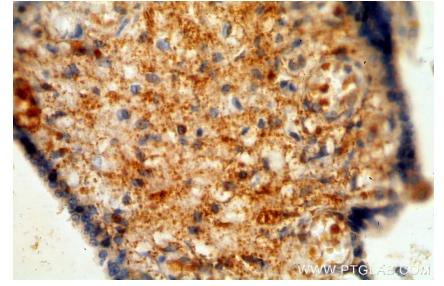
Selected Validation Data



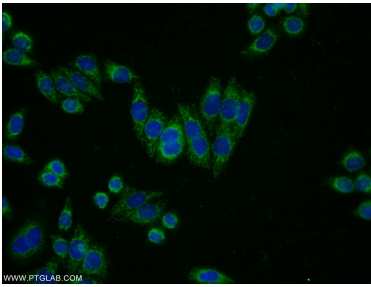
Various lysates were subjected to SDS PAGE followed by western blot with 15096-1-AP (NAGA antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta using 15096-1-AP (NAGA antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human placenta using 15096-1-AP (NAGA antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of HeLa cells using 15096-1-AP (NAGA antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).