

For Research Use Only

NAGA Polyclonal antibody

Catalog Number: 15096-1-AP

1 Publications



Basic Information

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| Catalog Number: 15096-1-AP | GenBank Accession Number: BC000095 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 133 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 4668 | Recommended Dilutions: WB 1:1000-1:4000 |
| Source: Rabbit | UNIPROT ID: P17050 | IHC 1:20-1:200 |
| Isotype: IgG | Full Name: N-acetylgalactosaminidase, alpha- | IF/ICC 1:20-1:200 |
| Immunogen Catalog Number: AG7172 | Calculated MW: 47 kDa | |
| | Observed MW: 48 kDa, 60-70 kDa | |

Applications

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

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

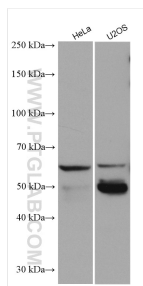
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

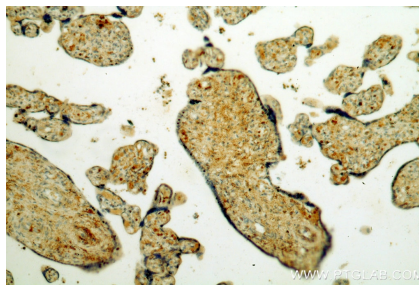
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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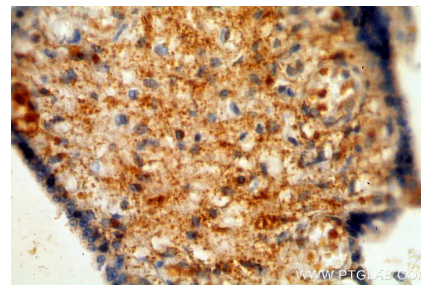
Selected Validation Data



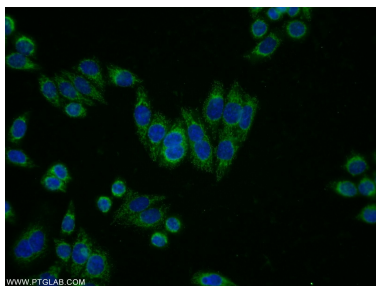
Various lysates were subjected to SDS PAGE followed by western blot with 15096-1-AP (NAGA antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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 Goat Anti-Rabbit IgG(H+L).