

GAA Polyclonal antibody

Catalog Number: 29993-1-AP

Basic Information

Catalog Number:

29993-1-AP

Size:

800 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG28970

GenBank Accession Number:

BC040431

GeneID (NCBI):

2548

UNIPROT ID:

P10253

Full Name:

glucosidase, alpha; acid

Calculated MW:

105 kDa

Observed MW:

110 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

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

Positive Controls:

WB : DU 145 cells, LNCaP cells, PC-13 cells

IHC : mouse liver tissue,

Background Information

GAA (Alpha-1,4-glucosidase) is a lysosomal enzyme involved in the degradation of glycogen within cellular vacuoles. After translation, GAA undergoes proteolytic processing to form two lengths of lysosomal α -glucosidase, and both N-terminal and C-terminal processing occur. Typically, GAA is synthesized as an immature glycoprotein precursor (110 kDa) in the endoplasmic reticulum and undergoes a series of proteolytic and N-glycan processing events to yield an intermediate (95 kDa) and two lysosomal (76 and 70 kDa) isoforms. This antibody can detect the 110 kDa precursor form.

Storage

Storage:

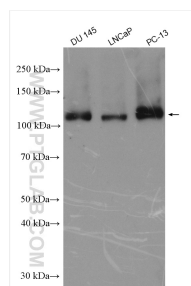
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

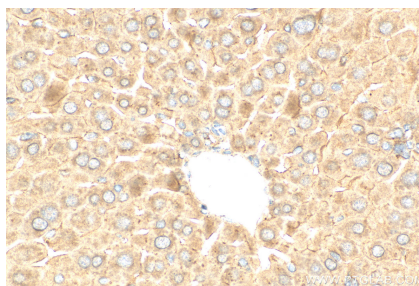
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29993-1-AP (GAA antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 29993-1-AP (GAA antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).