

For Research Use Only

GAA Polyclonal antibody

Catalog Number: 29993-1-AP



Basic Information

Catalog Number: 29993-1-AP	GenBank Accession Number: BC040431	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 800 ug/ml by Nanodrop;	GeneID (NCBI): 2548	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P10253	
Isotype: IgG	Full Name: glucosidase, alpha; acid	
Immunogen Catalog Number: AG28970	Calculated MW: 105 kDa	
	Observed MW: 110 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: Human, Mouse	WB : DU 145 cells, LNCaP cells, PC-13 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	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

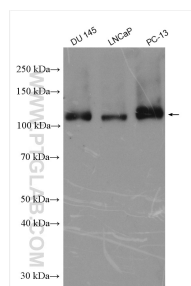
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

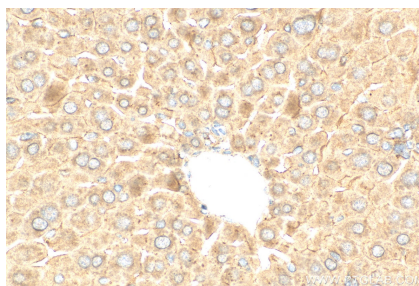
For technical support and original validation data for this product please contact:
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Selected Validation Data



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).