

For Research Use Only

GAA Polyclonal antibody

Catalog Number: 14367-1-AP

9 Publications



Basic Information

Catalog Number:

14367-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5690

GenBank Accession Number:

BC040431

GeneID (NCBI):

2548

UNIPROT ID:

P10253

Full Name:

glucosidase, alpha; acid

Calculated MW:

105 kDa

Observed MW:

70-76 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:2000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC: 1:50-1:500

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat, zebrafish

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, mouse liver tissue

IP: mouse liver tissue,

IHC: human pancreas cancer tissue, mouse liver tissue, mouse skeletal muscle 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. The full sequence can be further processed into a mature form. The 105 kDa GAA can be cleaved into 70 kDa or 76 kDa form.

Notable Publications

Author	Pubmed ID	Journal	Application
Atsushi Kato	35838176	Org Biomol Chem	IF
Atsushi Kato	35072486	J Med Chem	IF
Jing Wu	28045567	DNA Cell Biol	WB

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

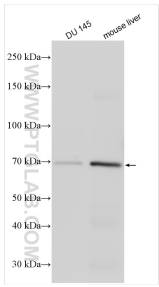
For technical support and original validation data for this product please contact:

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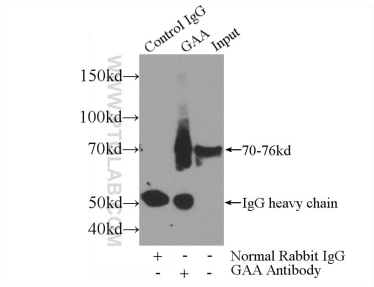
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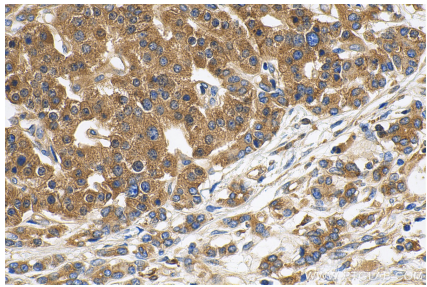
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 14367-1-AP (GAA antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-GAA (IP:14367-1-AP, 4ug; Detection:14367-1-AP 1:600) with mouse liver tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 14367-1-AP (GAA antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).