

For Research Use Only

GART Polyclonal antibody

Catalog Number: 13659-1-AP

Featured Product

10 Publications



Basic Information

Catalog Number:

13659-1-AP

Concentration:

600 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4555

GenBank Accession Number:

BC038958

GeneID (NCBI):

2618

UNIPROT ID:

P22102

Full Name:

phosphoribosylglycinamide
formyltransferase,
phosphoribosylglycinamide
synthetase,
phosphoribosylaminoimidazole
synthetase

Calculated MW:

1010 aa, 108 kDa

Observed MW:

108 kDa, 46 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

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

IHC 1:50-1:500

IF/ICC 1:20-1:200

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, CoIP

Species Specificity:

human

Cited Species:

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 : A431 cells, HepG2 cells, HeLa cells

IP : HepG2 cells,

IHC : human cervical cancer tissue,

IF/ICC : HepG2 cells,

Background Information

GART is a trifunctional polypeptide which has phosphoribosylglycinamide formyltransferase, phosphoribosylglycinamide synthetase, phosphoribosylaminoimidazole synthetase activity that is required for de novo purine biosynthesis. GART has 2 isoforms with molecular mass of 108 kDa and 46 kDa due to alternative splicing.

Notable Publications

Author	Pubmed ID	Journal	Application
Eunus S Ali	32485148	Mol Cell	WB
Mona Hoseini Soflaee	35577785	Nat Commun	WB
Xing Feng	31975428	EMBO J	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:

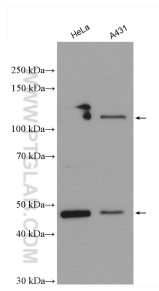
T: 4006900926

E: Proteintech-CN@ptglab.com

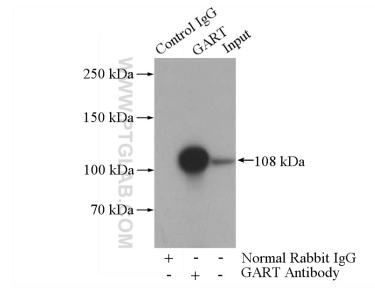
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

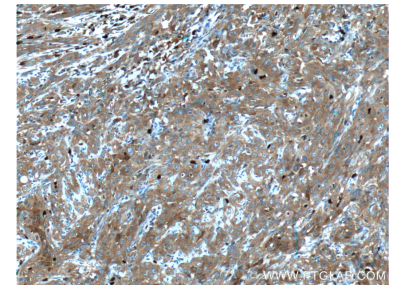
Selected Validation Data



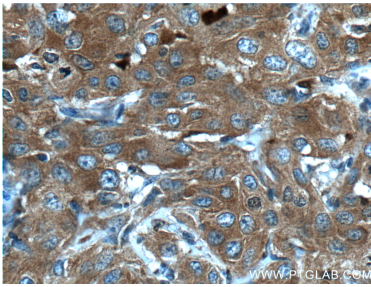
A431 cells were subjected to SDS PAGE followed by western blot with 13659-1-AP (GART antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



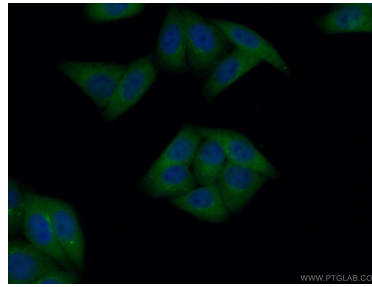
IP result of anti-GART (IP:13659-1-AP, 4 μ g; Detection:13659-1-AP 1:500) with HepG2 cells lysate 1600 μ g.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 13659-1-AP (GART antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 13659-1-AP (GART antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (10% Formaldehyde) fixed HepG2 cells using 13659-1-AP (GART antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).