

For Research Use Only

# GART Polyclonal antibody

Catalog Number: 13659-1-AP **7 Publications**



## Basic Information

<b>Catalog Number:</b> 13659-1-AP	<b>GenBank Accession Number:</b> BC038958	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 2618	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> phosphoribosylglycinamide formyltransferase, phosphoribosylglycinamide synthetase, phosphoribosylaminoimidazole synthetase	<b>IHC 1:50-1:500</b> <b>IF 1:20-1:200</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 1010 aa, 108 kDa	
<b>Immunogen Catalog Number:</b> AG4555	<b>Observed MW:</b> 108 kDa, 46 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, IP, WB, ELISA	<b>Positive Controls:</b> WB : A431 cells, HepG2 cells, HeLa cells IP : HepG2 cells, IHC : human cervical cancer tissue, IF : HepG2 cells,
<b>Cited Applications:</b> CoIP, IHC, WB	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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

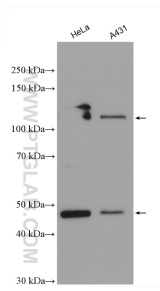
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

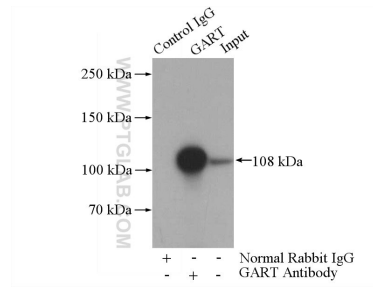
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

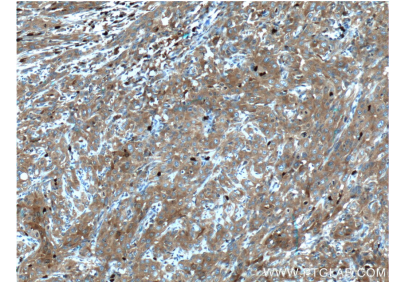
## Selected Validation Data



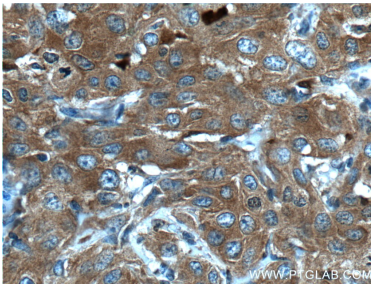
A431 cells were subjected to SDS PAGE followed by western blot with 13659-1-AP (GART antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



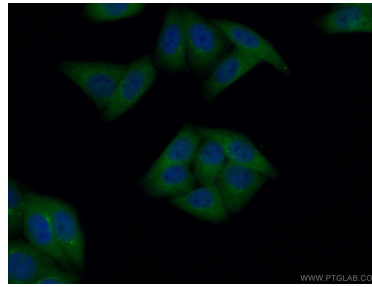
IP Result of anti-GART (IP:13659-1-AP, 4ug; Detection:13659-1-AP 1:500) with HepG2 cells lysate 1600ug.



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 AffiniPure Goat Anti-Rabbit IgG(H+L).