

For Research Use Only

# GGCT Polyclonal antibody

Catalog Number: 16257-1-AP

5 Publications



## Basic Information

### Catalog Number:

16257-1-AP

### Size:

150ul, Concentration: 700 µg/ml by Nanodrop and 420 µg/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG9284

### GenBank Accession Number:

BC019243

### GeneID (NCBI):

79017

### Full Name:

gamma-glutamyl cyclotransferase

### Calculated MW:

188 aa, 21 kDa

### Observed MW:

21-25 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:6000

IP 0.5-4.0 µg for IP and 1:150-1:600 for WB

IHC 1:50-1:500

IF 1:50-1:500

## Applications

### Tested Applications:

IF, IHC, IP, WB, ELISA

### Cited Applications:

CoIP, IHC, WB

### Species Specificity:

human, mouse, rat

### 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**: HeLa cells, U-937 cells, mouse kidney tissue, mouse liver tissue, human brain tissue, HepG2 cells, HEK-293 cells, Jurkat cells

**IP**: mouse kidney tissue,

**IHC**: mouse small intestine tissue,

**IF**: HeLa cells,

## Background Information

### Notable Publications

Author	Pubmed ID	Journal	Application
Lin Shen	36150660	Biochim Biophys Acta Mol Basis Dis	WB
Hui-Min Zhang	36233293	Int J Mol Sci	WB, IHC, CoIP
Kenneth N MacClean	29101223	FASEB 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

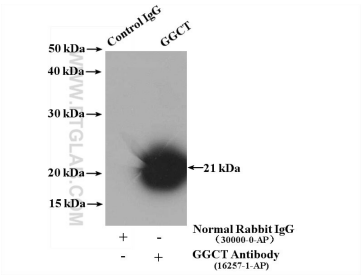
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

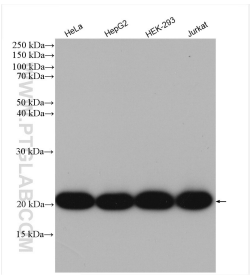
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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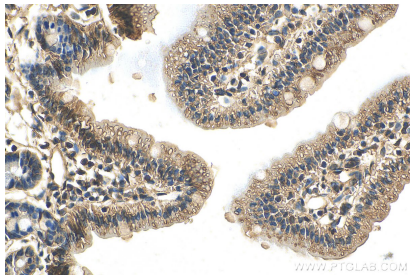
Selected Validation Data



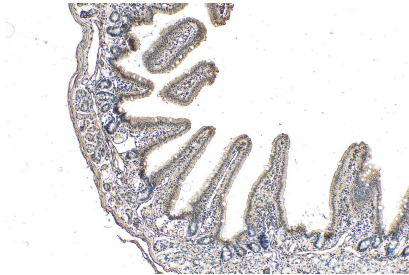
IP result of anti-GGCT (IP:16257-1-AP, 4ug; Detection:16257-1-AP 1:300) with mouse kidney tissue lysate 3000 ug.



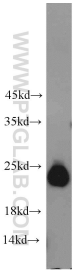
Various lysates were subjected to SDS PAGE followed by western blot with 16257-1-AP (GGCT antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



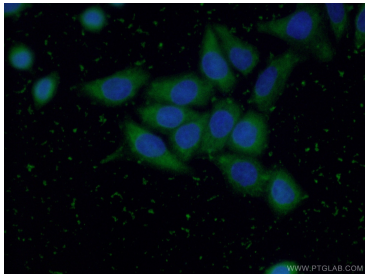
Immunohistochemical analysis of paraffin-embedded mouse small intestine tissue slide using 16257-1-AP (GGCT antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse small intestine tissue slide using 16257-1-AP (GGCT antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



human brain tissue were subjected to SDS PAGE followed by western blot with 16257-1-AP (GGCT antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 16257-1-AP (GGCT antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).