

For Research Use Only

# GLO1 Polyclonal antibody

Catalog Number: 15140-1-AP

Featured Product

13 Publications



## Basic Information

### Catalog Number:

15140-1-AP

### Size:

150ul , Concentration: 1200 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG7314

### GenBank Accession Number:

BC001741

### GeneID (NCBI):

2739

### UNIPROT ID:

Q04760

### Full Name:

glyoxalase I

### Calculated MW:

21 kDa

### Observed MW:

21-25 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:2000-1:10000

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

IHC 1:200-1:1000

## Applications

### Tested Applications:

WB, IP, IHC, ELISA

### Cited Applications:

WB, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat

**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 :** Raji cells, HeLa cells, rat liver tissue, HepG2 cells, mouse liver tissue

**IP :** HepG2 cells,

**IHC :** human thyroid cancer tissue,

## Background Information

Glo1 is known to play a role in many diseases including diabetes mellitus, Alzheimer's disease, and cancer. The molecular mass of the dimer was 46 kDa determined by gel permeation chromatography.

## Notable Publications

Author	Pubmed ID	Journal	Application
Dan Tang	34815154	Phytomedicine	WB,IF
Shengya Tian	31562192	Life Sci Alliance	WB
Masahiro Watanabe	36127524	Mol Biol Rep	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

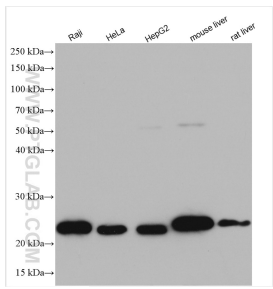
For technical support and original validation data for this product please contact:

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

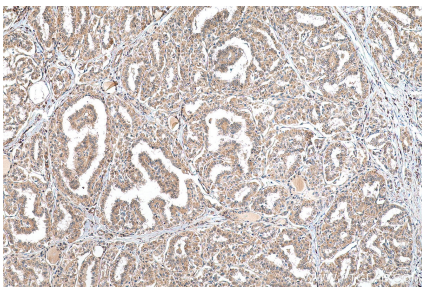
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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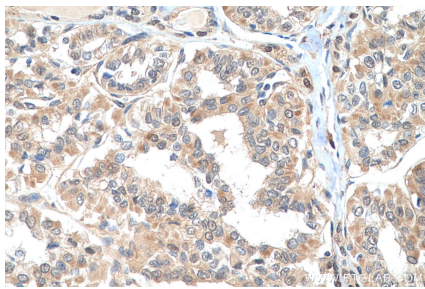
Selected Validation Data



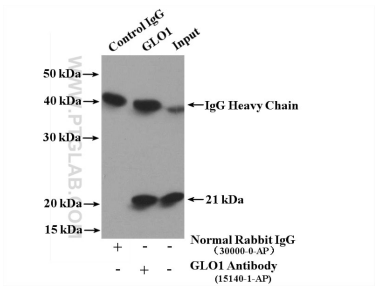
Various lysates were subjected to SDS PAGE followed by western blot with 15140-1-AP (GLO1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using 15140-1-AP (GLO1 antibody) at dilution of 1:8000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using 15140-1-AP (GLO1 antibody) at dilution of 1:8000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-GLO1 (IP:15140-1-AP, 4ug; Detection:15140-1-AP 1:1000) with HepG2 cells lysate 1000ug.