

For Research Use Only

# GLO1 Polyclonal antibody

Catalog Number: 15140-1-AP

Featured Product

10 Publications



## Basic Information

<b>Catalog Number:</b> 15140-1-AP	<b>GenBank Accession Number:</b> BC001741	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 1200 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 2739	<b>Recommended Dilutions:</b> 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
<b>Source:</b> Rabbit	<b>Full Name:</b> glyoxalase I	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 21 kDa	
<b>Immunogen Catalog Number:</b> AG7314	<b>Observed MW:</b> 21-25 kDa	

## Applications

### Tested Applications:

IHC, IP, WB, ELISA

### Cited Applications:

IF, WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, rat, 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 : 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

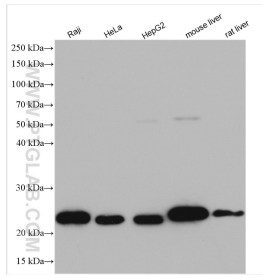
For technical support and original validation data for this product please contact:

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

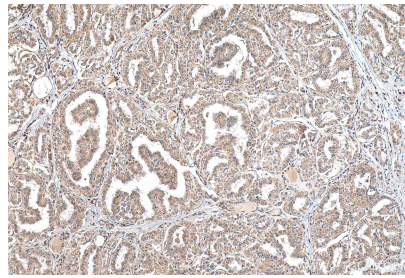
E: proteintech@ptglab.com  
W: ptglab.com

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

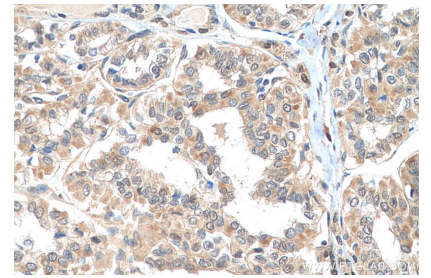
## Selected Validation Data



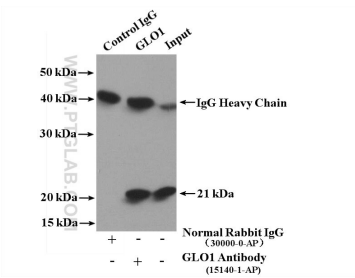
Various lysates were subjected to SDS PAGE followed by western blot with 15140-1-AP (GLO1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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.