

For Research Use Only

# GSS Polyclonal antibody

Catalog Number: 15712-1-AP

Featured Product

20 Publications



## Basic Information

### Catalog Number:

15712-1-AP

### Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG8338

### GenBank Accession Number:

BC007927

### GeneID (NCBI):

2937

### UNIPROT ID:

P48637

### Full Name:

glutathione synthetase

### Calculated MW:

474 aa, 52 kDa

### Observed MW:

52 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:100-1:400

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse, rat, pig, canine, hamster

### Cited Species:

human, mouse, rat, pig, chicken

**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 : CHO cells, HEK-293 cells, mouse liver tissue, rat liver tissue

IHC : human kidney tissue,

IF/ICC : MDCK cells,

## Notable Publications

Author	Pubmed ID	Journal	Application
Yang Yang	30326393	Redox Biol	WB
Edwin J Squirewell	32873592	Drug Metab Dispos	WB
Peng Zhang	36439878	Int J Biol Sci	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

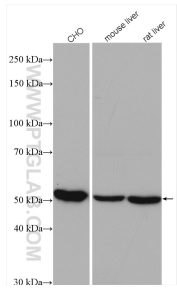
For technical support and original validation data for this product please contact:

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

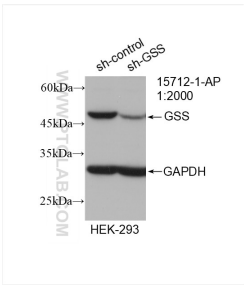
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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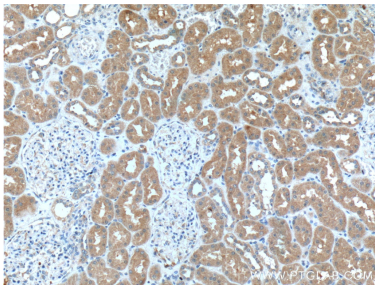
Selected Validation Data



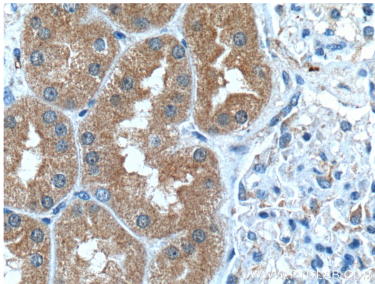
Various lysates were subjected to SDS PAGE followed by western blot with 15712-1-AP (GSS antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



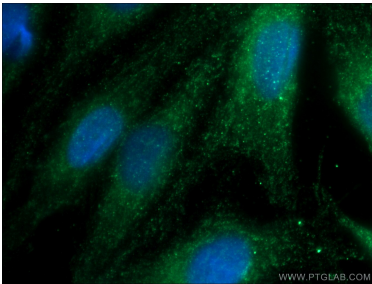
WB result of GSS antibody (15712-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-GSS transfected HEK-293 cells.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 15712-1-AP (GSS Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 15712-1-AP (GSS Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed MDCK cells using 15712-1-AP (GSS antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).