

# GSTP1 Polyclonal antibody

Catalog Number: 15902-1-AP

Featured Product

31 Publications

## Basic Information

## Catalog Number:

15902-1-AP

## Size:

600 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG8731

## GenBank Accession Number:

BC010915

## GeneID (NCBI):

2950

## UNIPROT ID:

P09211

## Full Name:

glutathione S-transferase pi 1

## Calculated MW:

210 aa, 23 kDa

## Observed MW:

23-28 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:2000-1:16000

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

IHC 1:50-1:500

IF 1:20-1:200

## Applications

## Tested Applications:

FC, IF/ICC, IHC, IP, WB, ELISA

## Cited Applications:

IF, IHC, IP, 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:** COLO 320 cells, human brain tissue, HeLa cells, HEK-293 cells, K-562 cells, Jurkat cells, PC-3 cells, mouse brain tissue, mouse heart tissue, rat brain tissue, rat heart tissue

**IP:** mouse brain tissue,

**IHC:** mouse skin tissue, human skin tissue, human liver tissue

**IF:** HepG2 cells,

## Background Information

Glutathione S-transferase P (GSTP1) conjugates reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. It is involved in the formation of glutathione conjugates of both prostaglandin A2 (PGA2) and prostaglandin J2 (PGJ2) (PubMed:9084911). Participates in the formation of novel hepxilin regioisomers (PubMed:21046276).

## Notable Publications

Author	Pubmed ID	Journal	Application
Lei Ye	33491741	Int J Oncol	WB
Shuo Chen	26396496	Drug Des Devel Ther	WB
Ming-Wei Lin	36135183	Curr Issues Mol Biol	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

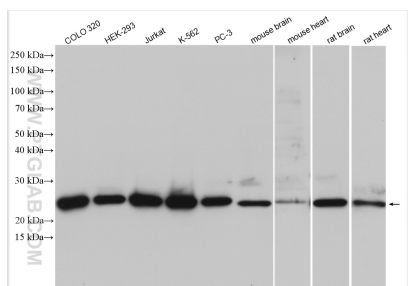
For technical support and original validation data for this product please contact:

T: 4006900926

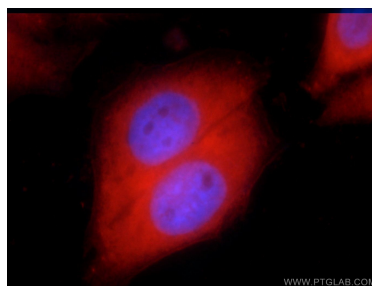
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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

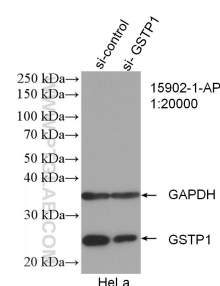
## Selected Validation Data



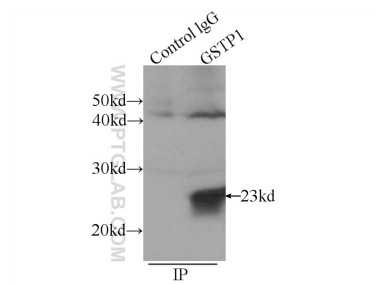
Various lysates were subjected to SDS PAGE followed by western blot with 15902-1-AP (GSTP1 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HepG2 cells using 15902-1-AP (GSTP1 Antibody) at dilution of 1:50 and Rhodamine-labeled goat anti-rabbit IgG (red).



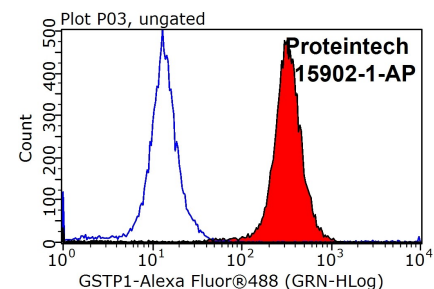
WB result of GSTP1 antibody (15902-1-AP; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-GSTP1 transfected HeLa cells.



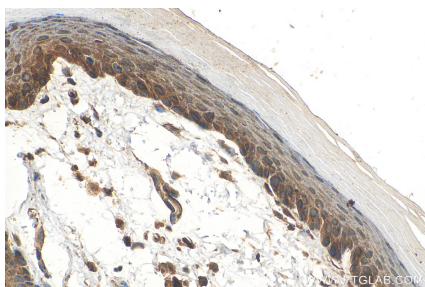
IP result of anti-GSTP1 (IP:15902-1-AP, 3ug; Detection:15902-1-AP 1:800) with mouse brain tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded mouse skin tissue slide using 15902-1-AP (GSTP1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10<sup>6</sup> HepG2 cells were stained with 0.2ug GSTP1 antibody (15902-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.



Immunohistochemical analysis of paraffin-embedded mouse skin tissue slide using 15902-1-AP (GSTP1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).