

For Research Use Only

GSTP1 Polyclonal antibody

Catalog Number: 15902-1-AP

Featured Product

31 Publications



Basic Information

Catalog Number:

15902-1-AP

Size:

150ul, Concentration: 600 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8731

GenBank Accession Number:

BC010915

GeneID (NCBI):

2950

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, 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

*** 20ul sizes contain 0.1% BSA

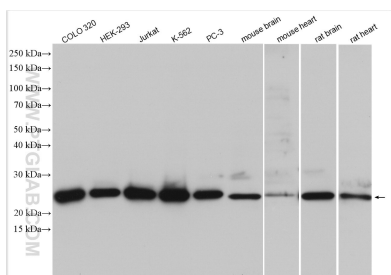
For technical support and original validation data for this product please contact:

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

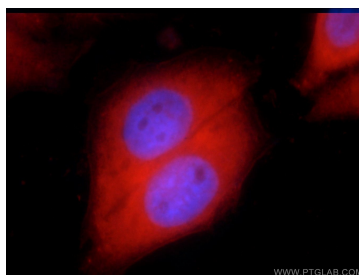
E: proteintech@ptglab.com
W: ptglab.com

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

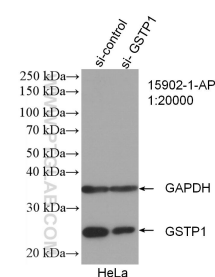
Selected Validation Data



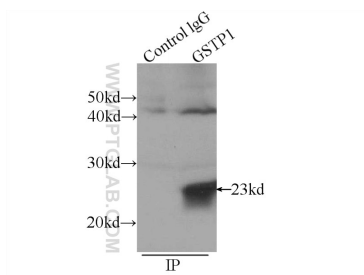
Various lysates were subjected to SDS PAGE followed by western blot with 15902-1-AP (GSTP1 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



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



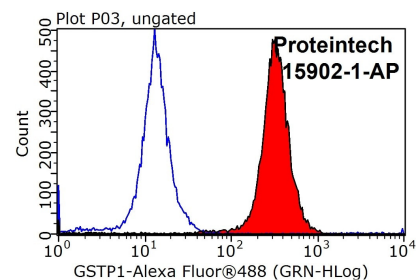
WB result of GSTP1 antibody (15902-1-AP; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-GSTP1 transfected HeLa cells.



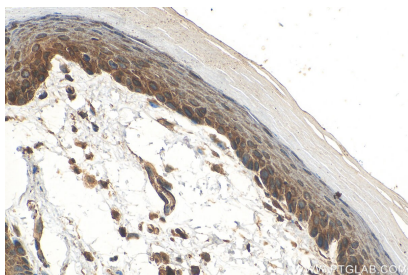
IP Result of anti-GSTP1 (IP:15902-1-AP, 3ug; Detection:15902-1-AP 1:800) with mouse brain tissue lysate 4000ug.



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).



1X10⁶ 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).