

For Research Use Only

GSTO1 Polyclonal antibody

Catalog Number: 15124-1-AP

Featured Product

15 Publications



Basic Information

Catalog Number:

15124-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7199

GenBank Accession Number:

BC000127

GeneID (NCBI):

9446

UNIPROT ID:

P78417

Full Name:

glutathione S-transferase omega 1

Calculated MW:

28 kDa

Observed MW:

27-30 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

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

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, pig

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 : HeLa cells, rat brain tissue, mouse liver tissue, human heart tissue, U-937 cells, Jurkat cells, PC-3 cells

IP : Jurkat cells,

IHC : human pancreas cancer tissue,

IF/ICC : PC-3 cells,

Background Information

Glutathione-S-transferase omega 1 (GSTO1) belongs to a new subfamily of GSTs and is the rate limiting enzyme for biotransformation of inorganic arsenic, environmental carcinogen. Expression of GSTO1-1 was abundant in a wide range of normal tissues, particularly liver, macrophages, glial cells, and endocrine cells. Human GSTO1 assembles as a dimer. This antibody detects both monomer (27-30 kDa) and dimer forms of GSTO1 (54-64 kDa). (PMID: 21495794)

Notable Publications

Author	Pubmed ID	Journal	Application
Dan Liu	30267739	Neurotoxicology	WB
Yuan-Chang Dai	29016672	PLoS One	WB
Xinhua Hou	32480263	Food Chem	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

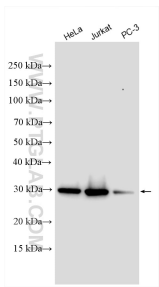
For technical support and original validation data for this product please contact:

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

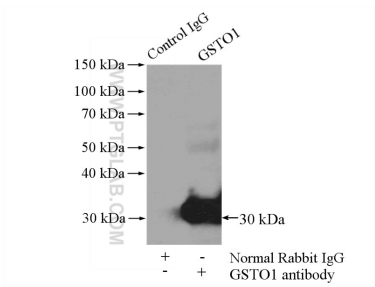
E: proteintech@ptglab.com
W: ptglab.com

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

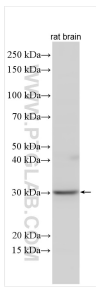
Selected Validation Data



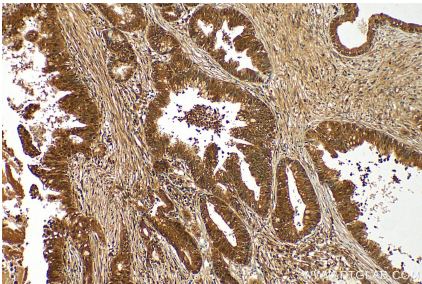
Various lysates were subjected to SDS PAGE followed by western blot with 15124-1-AP (GSTO1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



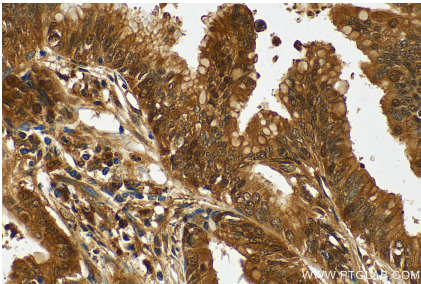
IP result of anti-GSTO1 (IP:15124-1-AP, 4ug; Detection:15124-1-AP 1:500) with Jurkat cells lysate 4000ug.



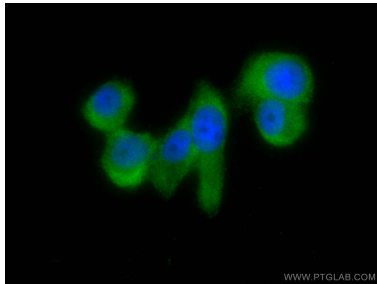
rat brain tissue were subjected to SDS PAGE followed by western blot with 15124-1-AP (GSTO1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 15124-1-AP (GSTO1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 15124-1-AP (GSTO1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed PC-3 cells using GSTO1 antibody (15124-1-AP) at dilution of 1:200 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L).