

For Research Use Only

# GSTO1 Monoclonal antibody

Catalog Number: 60150-2-Ig **1 Publications**



## Basic Information

<b>Catalog Number:</b> 60150-2-Ig	<b>GenBank Accession Number:</b> BC000127	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 2400 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 9446	<b>CloneNo.:</b> 5E1E10
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P78417	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:50-1:500 IF/ICC 1:400-1:1600
<b>Isotype:</b> IgG1	<b>Full Name:</b> glutathione S-transferase omega 1	
<b>Immunogen Catalog Number:</b> AG7199	<b>Calculated MW:</b> 28 kDa	
	<b>Observed MW:</b> 27-30 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, ELISA

**Cited Applications:**  
WB

**Species Specificity:**  
human, mouse, rat

**Cited Species:**  
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 :** A549 cells, human heart tissue, U-937 cells, Raji cells, ROS1728 cells, NIH/3T3 cells, A431 cells, HeLa cells, Jurkat cells, K-562 cells

**IHC :** human oesophagus cancer tissue, human liver tissue, human liver 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Huihui Wang	29108910	Toxicol Appl Pharmacol	WB

## Storage

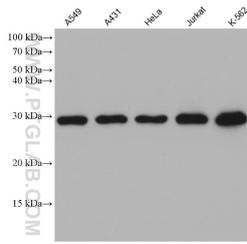
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

**\*\*\* 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.**

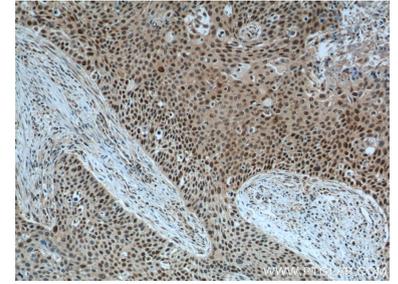
## Selected Validation Data



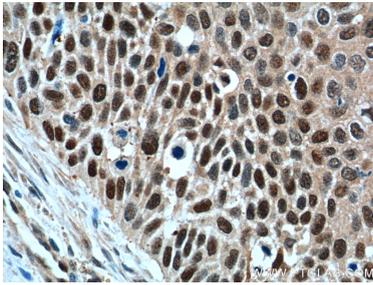
Various lysates were subjected to SDS PAGE followed by western blot with 60150-2-Ig (GSTO1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



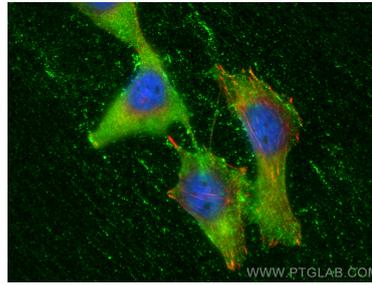
human heart tissue were subjected to SDS PAGE followed by western blot with 60150-2-Ig (GSTO1 Antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human oesophagus cancer tissue slide using 60150-2-Ig (GSTO1 Antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human oesophagus cancer tissue slide using 60150-2-Ig (GSTO1 Antibody) at dilution of 1:400 (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 (60150-2-Ig, Clone: 5E1E10) at dilution of 1:800 and CoraLite® 488-Conjugated Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).