

For Research Use Only

GSTO1 Monoclonal antibody

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



Basic Information

Catalog Number: 60150-2-Ig	GenBank Accession Number: BC000127	Purification Method: Protein A purification
Concentration: 1000 ug/ml	GeneID (NCBI): 9446	CloneNo.: 5E1E10
Source: Mouse	UNIPROT ID: P78417	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:50-1:500 IF/ICC 1:400-1:1600
Isotype: IgG1	Full Name: glutathione S-transferase omega 1	
Immunogen Catalog Number: AG7199	Calculated MW: 28 kDa Observed MW: 27-30 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Cited Applications: WB	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
Species Specificity: human, mouse, rat	IHC : human oesophagus cancer tissue, human liver tissue, human liver cancer tissue
Cited Species: mouse	IF/ICC : PC-3 cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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, pH7.3
Aliquoting is unnecessary for -20°C storage

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

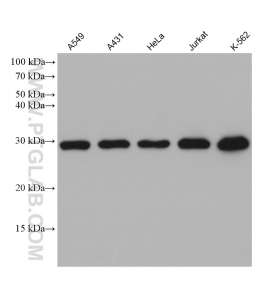
T: 4006900926

E: Proteintech-CN@ptglab.com

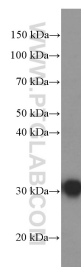
W: ptgcn.com

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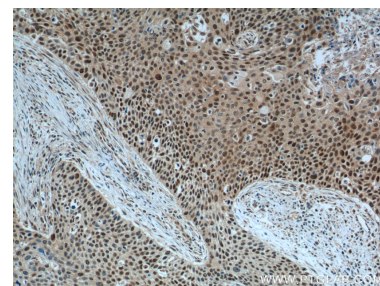
Selected Validation Data



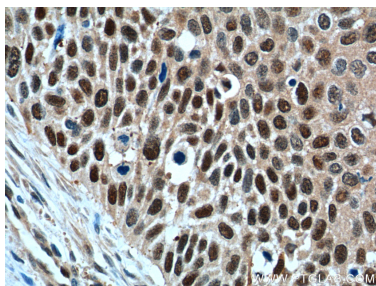
Various lysates were subjected to SDS PAGE followed by western blot with 60150-2-Ig (GSTO1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



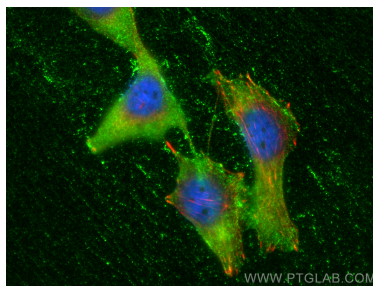
human heart tissue were subjected to SDS PAGE followed by western blot with 60150-2-Ig (GSTO1 Antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



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 AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).