

For Research Use Only

GPX7 Polyclonal antibody

Catalog Number: 13501-1-AP

Featured Product

16 Publications



Basic Information

Catalog Number:

13501-1-AP

Size:

150ul, Concentration: 573 ug/ml by Nanodrop and 313 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4328

GenBank Accession Number:

BC032788

GeneID (NCBI):

2882

UNIPROT ID:

Q96SL4

Full Name:

glutathione peroxidase 7

Calculated MW:

187 aa, 21 kDa

Observed MW:

18-21 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human

Cited Species:

human, mouse, rat, chicken

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 : human liver tissue, human placenta tissue, human brain tissue, Transfected HEK-293 cells

IHC : human liver cancer tissue, human brain tissue

Background Information

GPX7 (Glutathione peroxidase 7) is also named as GPX6, CL683, GSHPx-7 and belongs to the glutathione peroxidase family. It shares approximately 45% amino acid sequence with other GPX family members. Because GPX7 expression protected cells from acidic bile acid-induced DNA damage, it may protect oesophageal epithelial cells from acidic bile acid-induced apoptosis (PMID:22157330). This antibody can be detected as 18-21 kDa due to signal peptide splicing.

Notable Publications

Author	Pubmed ID	Journal	Application
Xuchen Hu	34626080	J Cell Mol Med	WB, IHC
Dazhi Tang	30289502	Poult Sci	IHC
Qingcai Meng	29980787	Oncogene	IHC

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

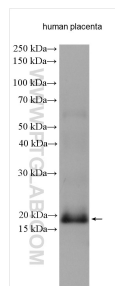
For technical support and original validation data for this product please contact:

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

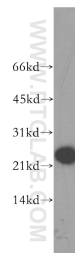
E: proteintech@ptglab.com
W: ptglab.com

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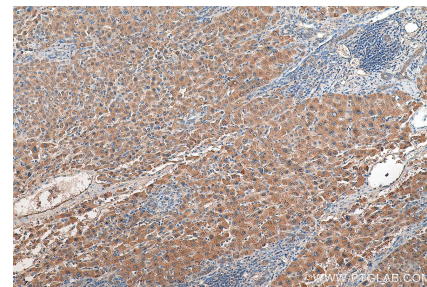
Selected Validation Data



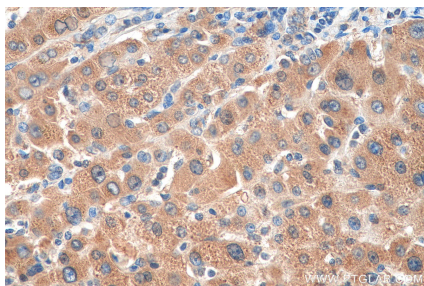
human placenta tissue were subjected to SDS PAGE followed by western blot with 13501-1-AP (GPX7 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



human liver tissue were subjected to SDS PAGE followed by western blot with 13501-1-AP (GPX7 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 13501-1-AP (GPX7 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 liver cancer tissue slide using 13501-1-AP (GPX7 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).