

For Research Use Only

GPX7 Polyclonal antibody

Catalog Number: 13501-1-AP

Featured Product

16 Publications



Basic Information

Catalog Number:

13501-1-AP

Size:

900 µg/ml

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

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

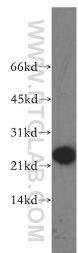
T: 4006900926

E: Proteintech-CN@ptglab.com

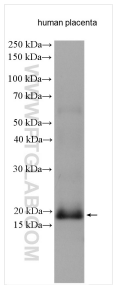
W: ptgcn.com

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

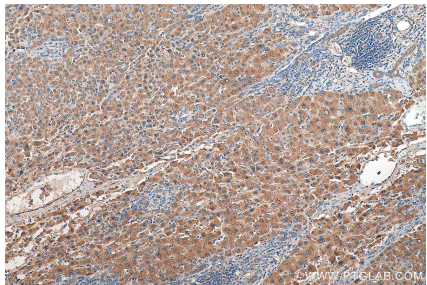
Selected Validation Data



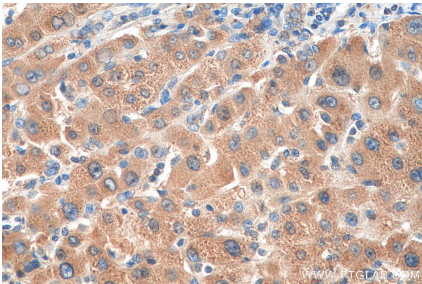
human liver tissue were subjected to SDS PAGE followed by western blot with 13501-1-AP (GPX7 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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.



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).