

For Research Use Only

GPX7 Polyclonal ANTIBODY



Catalog Number: 13501-1-AP

Featured Product

8 Publications

Basic Information

Catalog Number:
13501-1-AP

Size:
47 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AG4328

GenBank Accession Number:
BC032788

GeneID (NCBI):
2882

Full Name:
glutathione peroxidase 7

Calculated MW:
187aa, 21 kDa

Observed MW:
21 kDa

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

IHC, WB

Species Specificity:

human

Cited Species:

broiler chick, human, mouse

Note: 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 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).

Notable Publications

Author	Pubmed ID	Journal	Application
Dazhi Tang	30289502	Poult Sci	IHC
Qingcai Meng	29980787	Oncogene	IHC
Chang Yi-Cheng YC	23828861	EMBO Mol Med	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

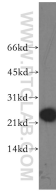
For technical support and original validation data for this product please contact:

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

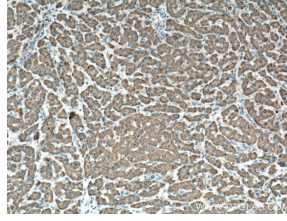
E: proteintech@ptglab.com
W: ptglab.com

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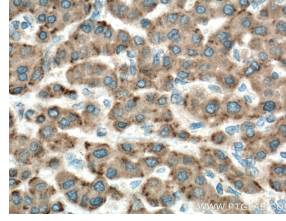
Selected Validation Data



human 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



Immunohistochemistry 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 retrieved with Tris-EDTA buffer(pH9).



Immunohistochemistry 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 retrieved with Tris-EDTA buffer(pH9).