

For Research Use Only

# GPX8 Polyclonal antibody

Catalog Number: 16846-1-AP

Featured Product

6 Publications



## Basic Information

### Catalog Number:

16846-1-AP

### Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 400 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG9930

### GenBank Accession Number:

BC029424

### GeneID (NCBI):

493869

### UNIPROT ID:

Q8TED1

### Full Name:

glutathione peroxidase 8 (putative)

### Calculated MW:

209 aa, 24 kDa

### Observed MW:

24 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IP, IHC, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, rat

**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 : U-251 cells, HEK-293 cells

IP : HEK-293 cells,

IHC : human stomach cancer tissue,

## Background Information

GPX8 (Probable glutathione peroxidase 8) is also named as GSHPx-8 and belongs to the glutathione peroxidase family. Glutathione peroxidase (GPx) reduces hydroperoxides, including hydrogen peroxides, in the presence of reduced glutathione as a means of protecting organisms from oxidative damage. Several GPx isozymes have been identified in animal cells and these have been classified into different groups according to their cellular location and substrate specificity. In humans, eight types of GPx have been identified from GPx1 to GPx8. The full length GPX8 has 209 amino acids and the molecular weight is 24 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Ilir Mehmeti	28751022	Free Radic Biol Med	WB, IF
Sarah Sharifi	36468845	FASEB J	WB
Andriana Pavliuk-Karachevtseva	35208621	Medicina (Kaunas)	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

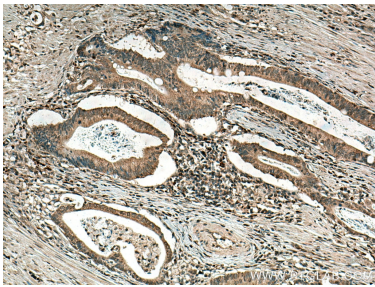
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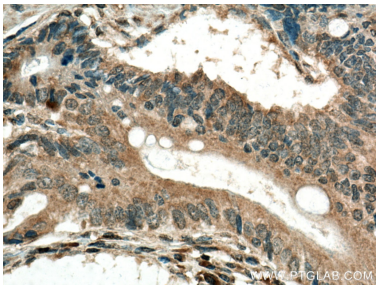
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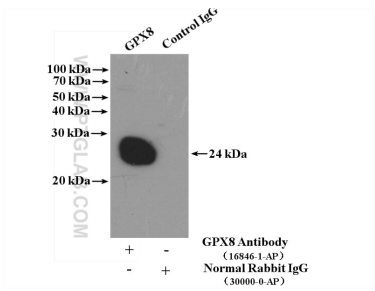
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 16846-1-AP (GPX8 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 stomach cancer tissue slide using 16846-1-AP (GPX8 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-GPX8 (IP:16846-1-AP, 4ug; Detection:16846-1-AP 1:300) with HEK-293 cells lysate 3000ug.