

For Research Use Only

# GSTZ1 Polyclonal antibody

Catalog Number: 14889-1-AP

6 Publications



## Basic Information

### Catalog Number:

14889-1-AP

### Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 200 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG6676

### GenBank Accession Number:

BC001453

### GeneID (NCBI):

2954

### UNIPROT ID:

O43708

### Full Name:

glutathione transferase zeta 1

### Calculated MW:

24 kDa

### Observed MW:

25-30 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

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, 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 : HEK-293T cells, mouse liver tissue, rat liver tissue

IHC : mouse liver tissue,

## Background Information

Glutathione transferase zeta 1 (GSTZ1) catalyzes the biotransformation of a range of  $\alpha$ -haloacids, including dichloroacetic acid (DCA), and the penultimate step in the tyrosine degradation pathway. GSTZ1 is preferentially expressed in hepatocytes and renal proximal tubule cells where phenylalanine and tyrosine are catabolized (PMID: 16550164). This protein has 3 isoforms produced by alternative splicing.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yangying Zhou	36341373	Front Immunol	IHC
Rojanathammanee Lalida L	24285747	J Gerontol A Biol Sci Med Sci	WB
Lalida Rojanathammanee	25001375	Age (Dordr)	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

\*\*\* 20ul sizes contain 0.1% BSA

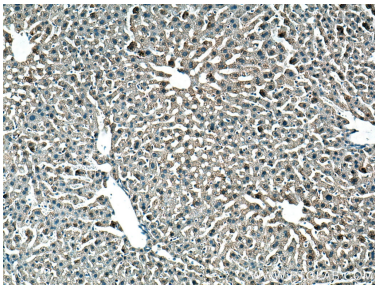
For technical support and original validation data for this product please contact:

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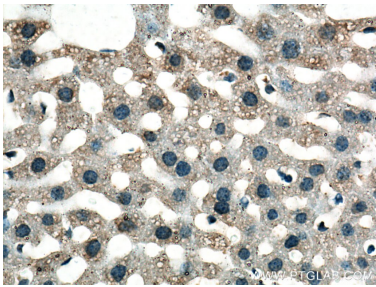
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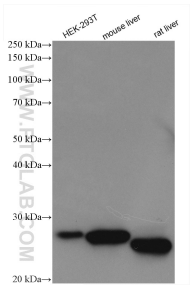
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 14889-1-AP (GSTZ1 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 mouse liver tissue slide using 14889-1-AP (GSTZ1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 14889-1-AP (GSTZ1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.