

### **International Office**

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# EB07283 - Goat Anti-Glutathione Peroxidase 1 (isoform1) Antibody

Size: 100µg specific antibody in 200µl



## **Target Protein**

Principal Names: glutathione peroxidase 1, HGNC:4553, GPX1, GSHPX1, MGC14399,

MGC88245

Official Symbol: GPX1

Accession Number(s): NP\_000572.2

Human GenelD(s): 2876

Important Comments: This antibody is expected to recognise isoform 1 ( NP\_000572.2)

only.

# Immunogen

Peptide with sequence C-REALPAPSDDATA, from the internal region of the protein sequence according to NP\_000572.2.

Please note the peptide is available for sale.

## **Purification and Storage**

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

# **Applications Tested**

Peptide ELISA: antibody detection limit dilution 1:32000.

Western blot: Approx 22kDa band observed in Human Liver lysates (calculated MW of

22.1kDa according to NP\_000572.2). Recommended concentration: 1-3µg/ml. **IHC:** In paraffin embedded Human Cerebral Cortex shows staining of microglia.

Recommended concentration: 3-5 $\mu$ g/ml. Paraffin embedded Human Liver. Recommended concentration: 3.75 $\mu$ g/ml. Frozen sections of Porcin Kidney shows staining of cytoplasm in

PCT epithelial cells. Recommended concentration: 20µg/ml.

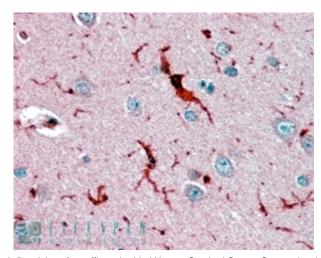
## **Species Reactivity**

Tested: Human, Pig

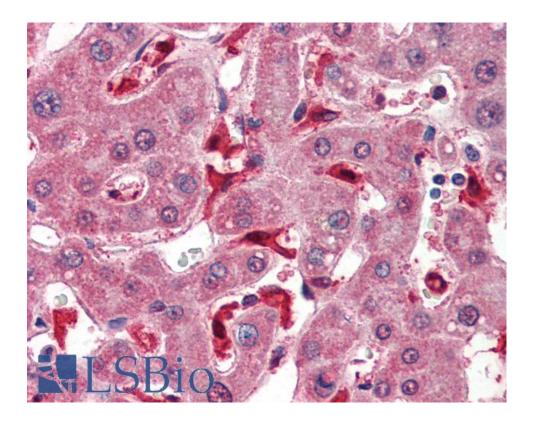
Expected from sequence similarity: Human

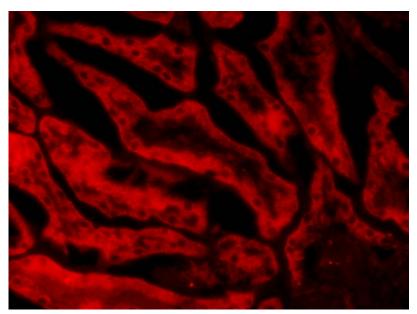
250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa 15kDa

EB07283 ( $1\mu g/ml$ ) staining of Human Liver lysate ( $35\mu g$  protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB07283 (3.8μg/ml) staining of paraffin embedded Human Cerebral Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.





EB07283 (20μg/ml) staining of PFA-perfused cryosection of Porcin Kidney. Microwave antigen retrieval with citrate buffer pH 3, CY3-staining. Data obtained from Dr. Hrvoje Brzica, University of Zagreb, Croatia