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Research Use Only. Not for diagnostic or therapeutic use.

# 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 GeneID(s): <u>2876</u> Important Comments: This antibody is expected to recognise isoform 1 (NP\_000572.2)

## Immunogen

only.

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.

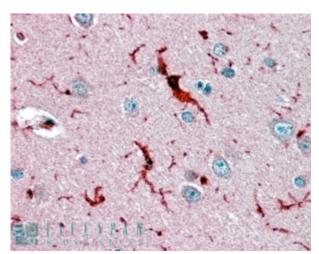
Western blot: Approx 22kDa band observed in Human Liver lysates (calculated MW of 22.1kDa according to NP\_000572.2). Recommended concentration: 1-3µg/ml.
IHC: In paraffin embedded Human Cerebral Cortex shows staining of microglia.
Recommended concentration: 3-5µg/ml. Paraffin embedded Human Liver. Recommended concentration: 3.75µg/ml. Frozen sections of Porcin Kidney shows staining of cytoplasm in PCT epithelial cells. Recommended concentration: 20µg/ml.

#### **Species Reactivity**

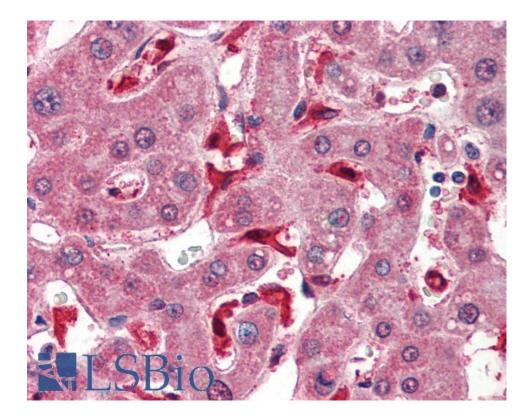
Tested: Human, Pig Expected from sequence similarity: Human

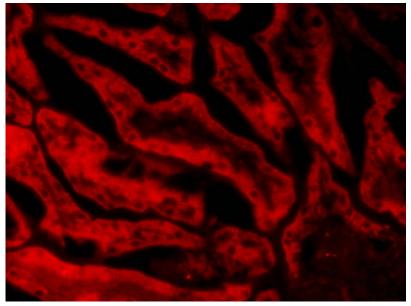


EB07283 (1µg/ml) staining of Human Liver lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



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