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Research Use Only. Not for diagnostic or therapeutic use.

EB07283-T - Goat Anti-Glutathione Peroxidase 1 (isoform1) Antibody - Trial

Size: 20µg specific antibody in 40µl



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 μ g/ml. Paraffin embedded Human Liver. Recommended concentration: 3.75 μ g/ml. Frozen sections of Porcin Kidney shows staining of cytoplasm in

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

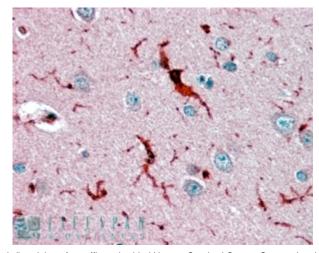
Species Reactivity

Tested: Human, Pig

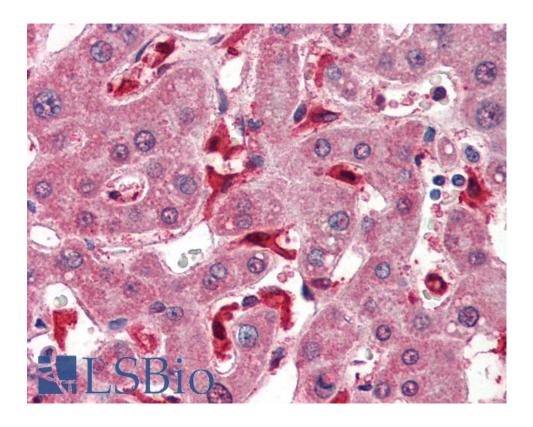
Expected from sequence similarity: Human

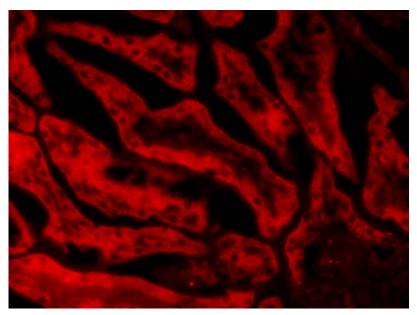
250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

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