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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): [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: 3-5µg/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 (3.75µg/ml) staining of paraffin embedded Human Liver. 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