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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB07685 - Goat Anti-GPX3 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: GPX3, glutathione peroxidase 3 (plasma), GPx-P, GSHPx-3, GSHPx-P, extracellular glutathione peroxidase, plasma glutathione peroxidase 3

Official Symbol: GPX3

Accession Number(s): NP_002075.2

Human GeneID(s): [2878](#)

Non-Human GeneID(s): 14778 (mouse), 64317 (rat)

Important Comments: This antibody may cross-react with epididymis-specific GPX5 and olfactory epithelium-specific GPX6

Immunogen

Peptide with sequence C-NQFGKQEPGENSE, from the internal region of the protein sequence according to NP_002075.2.

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 1:1000.

Western blot: Approx 26kDa band observed in Mouse Kidney and Liver lysates (calculated MW of 27.7kDa according to Mouse NP_001077398.1 [isoform1], 25.4kDa according to Mouse NP_032187.2 [isoform 2] and 25.5kDa according to Human NP_002075.2). Recommended concentration: 1-3µg/ml. Primary incubation was 1 hour.

IHC: Paraffin embedded Human Placenta and Colon. Recommended concentration: 5µg/ml. Frozen sections of Porcine Kidney shows vesicular staining of the cytoplasm in PCT epithelial cells. Recommended concentration: 20µg/ml.

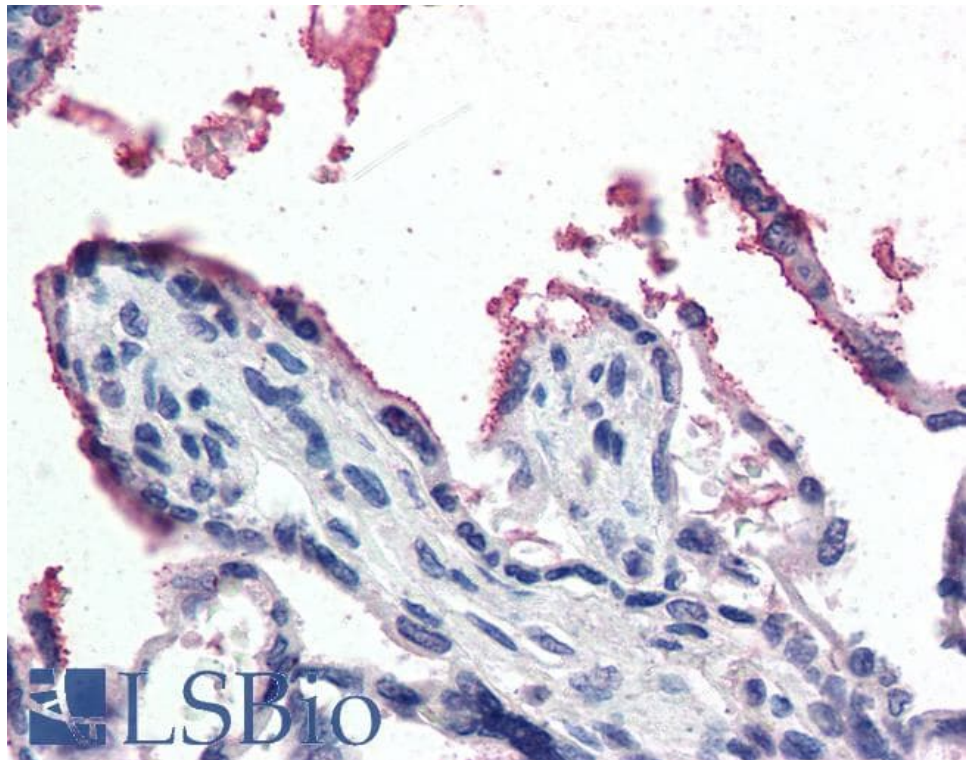
Species Reactivity

Tested: Human, Mouse, Pig

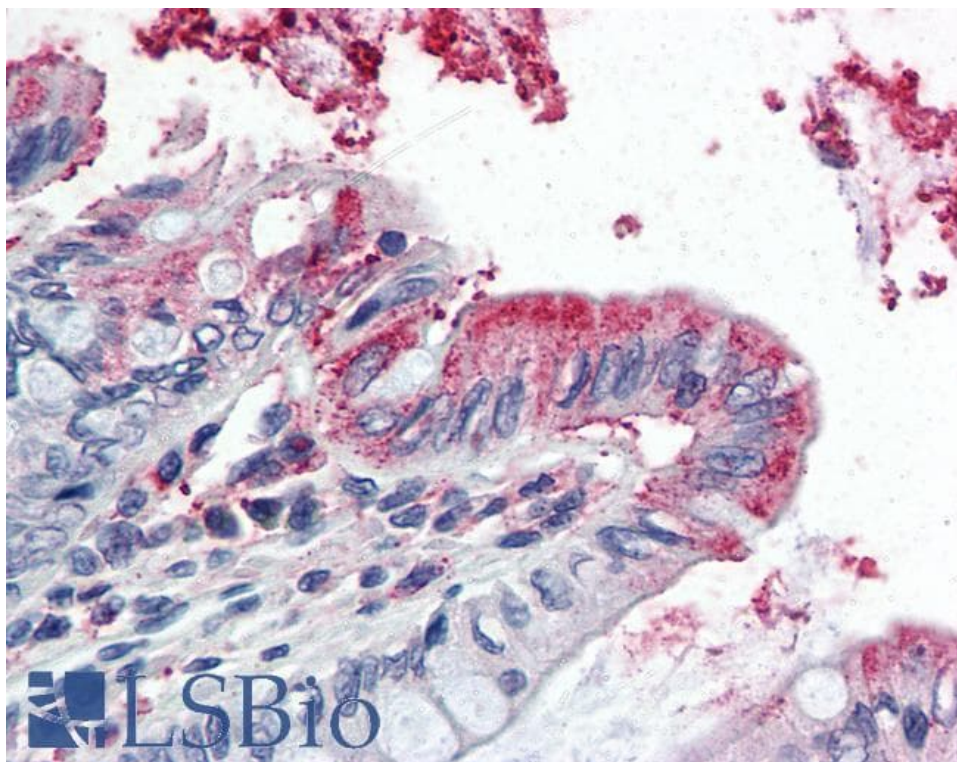
Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig

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

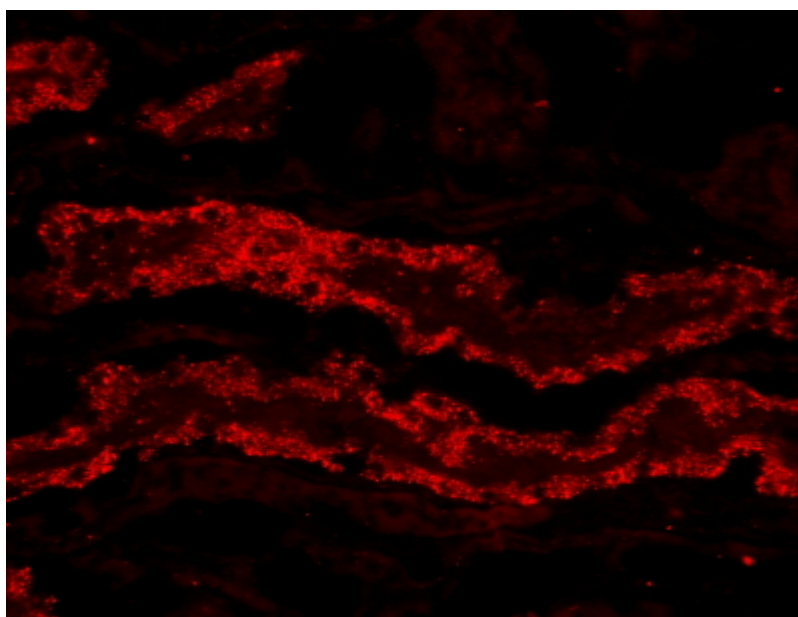
EB07685 (1µg/ml) staining of Mouse Heart lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB07685 (5µg/ml) staining of paraffin embedded Human Placenta. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB07685 (5µg/ml) staining of paraffin embedded Human Colon. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB07685 (20µg/ml) staining of PFA-perfused cryosection of Porcine Kidney. Microwave antigen retrieval with citrate buffer pH 3, CY3-staining. Data obtained from Dr. Hrvoje Brzica, University of Zagreb, Croatia.