

## Product datasheet for **TA303205**

### Gpx3 Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA 1:1,000; WB 1-3ug/ml
Reactivity:	Mouse, Pig (Expected from sequence similarity: Human, Rat, Dog)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence C-NQFGKQEPGENSE, from the internal region of the protein sequence according to NP_002075.2.
Formulation:	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Concentration:	lot specific
Purification:	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.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	glutathione peroxidase 3
Database Link:	<a href="#">NP_032187</a> <a href="#">Entrez Gene 2878 HumanEntrez Gene 64317 RatEntrez Gene 489179 DogEntrez Gene 14778</a> <a href="#">Mouse</a> <a href="#">P46412</a>



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**Background:**

This gene product belongs to the glutathione peroxidase family, which functions in the detoxification of hydrogen peroxide. It contains a selenocysteine (Sec) residue at its active site. The selenocysteine is encoded by the UGA codon, which normally signals translation termination. The 3' UTR of Sec-containing genes have a common stem-loop structure, the sec insertion sequence (SECIS), which is necessary for the recognition of UGA as a Sec codon rather than as a stop signal. [provided by RefSeq]

**Synonyms:**

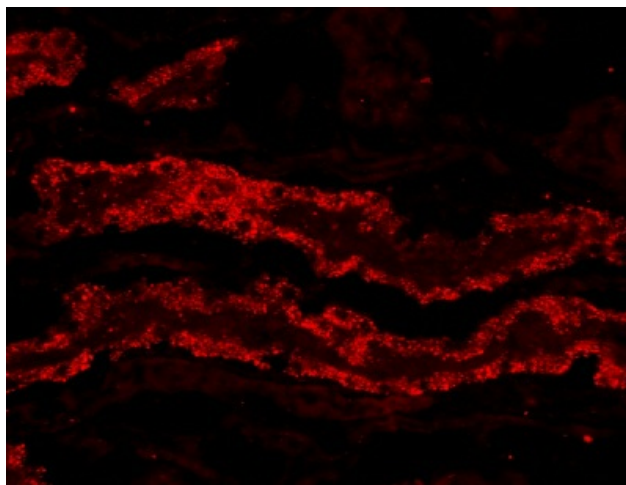
AA960521; EGPx; GPx; GPx-3; GPx-P; Gpxp; GSHPx-3; GSHPx-P

**Note:**

IHC: Frozen sections of Porcin Kidney shows vesicular staining of the cytoplasm in PCT epithelial cells. Recommended concentration, 20ug/ml.

**Product images:**


TA303205 (1ug/ml) staining of Mouse Heart lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



TA303205 (20ug/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