

Goat anti-GPX3 Antibody

Item Number	dAP-1035
Target Molecule	Principle Name: GPX3; Official Symbol: GPX3; All Names and Symbols: GPX3; glutathione peroxidase 3 (plasma); GPx-P; GSHPx-3; GSHPx-P ; extracellular glutathione peroxidase; plasma glutathione peroxidase 3; Accession Number (s): NP_002075.2; Human Gene ID(s): 2878; Non-Human GenelD(s): 14778 (mouse) 64317 (rat)
Immunogen	NQFGKQEPGENSE, is from internal region This antibody may cross-react with epididymis-specific GPX5 and olfactory epithelium-specific GPX6
Applications	Pep ELISA, WB, IHC Species Tested: Human, Mouse, Pig
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 1000.
Western Blot	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
IHC	Immunohistochemistry: 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.
Reference	Reference(s): Chu FF, Esworthy RS, Doroshow JH, Doan K, Liu XF. Expression of plasma glutathione peroxidase in human liver in addition to kidney, heart, lung, and breast in humans and rodents. <i>Blood</i> . 1992 Jun 15;79(12):3233-8. . PMID: 1339300 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**