



Goat anti-Gpx1 (mouse aa53-67) Antibody

Item Number	dAP-2702
Target Molecule	Principle Name: Gpx1 (mouse aa53-67); Official Symbol: Gpx1; All Names and Symbols: Gpx1; glutathione peroxidase 1; AL195024; AL033363; CGPx; GPx-1; GSHPx-1; Gpx; cellular glutathione peroxidase; Accession Number (s): NP_032186.2; Human Gene ID(s) ; Non-Human GeneID(s): 14775 (mouse) 24404 (rat)
Immunogen	DYTEMNDLQKRLGPR, is from internal region
Applications	Pep ELISA, WB Species Tested: Mouse, Rat
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 128000.
Western Blot	Western Blot: Approx 22kDa band observed in Rat Kidney and Liver lysates and in Mouse Kidney lysates (calculated MW of 22.3kDa according to NP_032186.2). Recommended concentration: 0.1-0.3µg/ml.
IHC	
Reference	Reference(s): Lubos E, Kelly NJ, Oldebeken SR, Leopold JA, Zhang YY, Loscalzo J, Handy DE. Glutathione peroxidase-1 deficiency augments proinflammatory cytokine induced redox signaling and human endothelial cell activation. J Biol Chem. 2011 Oct 14;286(41):35407-17..PMID: 21852236->

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 ender users! This product is sold for **Research Use Only**