

Goat anti-Glutathione peroxidase 2 (Int) Antibody

Item Number	dAP-0688
Target Molecule	Principle Name: Glutathione peroxidase 2 (Int); Official Symbol: GPX2; All Names and Symbols: GPX2; glutathione peroxidase 2 (gastrointestinal); HGNC:4554; GI-GPx; GSHPX-GI; gastrointestinal glutathione peroxidase 2; GPRP; GSHPx-2; glutathione peroxidase 2; glutathione peroxidase-related protein 2; Accession Number (s): NP_002074.2; Human Gene ID(s): 2877; Non-Human GeneID(s):
Immunogen	SLDGEKVDFN, is from internal region
Applications	Pep ELISA, WB Species Tested: Human
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 32000.
Western Blot	Western Blot: Approx 24kDa band observed in Human Liver lysates (calculated MW of 21.9kDa according to NP_002074.2). Recommended concentration: 0.5-2µg/ml.
IHC	
Reference	Reference(s): Esworthy RS, Yang L, Frankel PH, Chu FF. Epithelium-specific glutathione peroxidase, Gpx2, is involved in the prevention of intestinal inflammation in selenium-deficient mice. J Nutr. 2005 Apr;135(4):740-5. .PMID: 15795427 ->

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**