

Human glutathione peroxidase 2 (gastrointestinal) ELISA Kit | GPX2 elisa kit

Human Glutathione peroxidase 2, GPX2 ELISA Kit

CATALOG #
AAA112494

REACTIVITY
Human

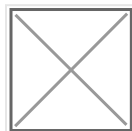
PRODUCT SYNONYMS

glutathione peroxidase 2 (gastrointestinal); Human Glutathione peroxidase 2; GPX2 ELISA Kit; Human Glutathione peroxidase 2 (GPX2) ELISA kit; GI-GPx; GPRP; GSHPX-GI; GSHPx-2; gastrointestinal glutathione peroxidase 2; glutathione peroxidase 2; glutathione peroxidase-related protein 2; GPX2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human GPX2. No significant cross-reactivity or interference between Human GPX2 and analogues was observed.
Sequence Length	190
Samples	Serum, plasma, tissue homogenates, Cell lysates
Assay Type	Sandwich
Detection Range	25 pg/ml-1600 pg/ml
Sensitivity	6.25 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GPX2 elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for GPX2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any GPX2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for GPX2 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of GPX2 bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	32967607
NCBI GeneID	2877
NCBI Accession #	NP_002074.2
NCBI GenBank Nucleotide #	NM_002083.3
UniProt Accession #	P18283; Q6PJ52; Q8WWI7; Q9NRP9
Molecular Weight	21,954 Da
NCBI Official Full Name	glutathione peroxidase 2
NCBI Official Synonym Full Names	glutathione peroxidase 2 (gastrointestinal)
NCBI Official Symbol	GPX2
NCBI Official Synonym Symbols	GPRP; GPx-2; GI-GPx; GPRP-2; GPx-GI; GSHPx-2; GSHPX-GI
NCBI Protein Information	glutathione peroxidase 2; gastrointestinal glutathione peroxidase; glutathione peroxidase-related protein 2
UniProt Protein Name	Glutathione peroxidase 2
UniProt Gene Name	GPX2
UniProt Synonym Gene Names	GPx-2; GSHPx-2; GPx-GI; GSHPx-GI; GPRP-2
UniProt Entry Name	GPX2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/gpx2-human-elisa-kits/glutathione-peroxidase-2-gastrointestinal/112494>