

Rabbit GPX1 Polyclonal Antibody | anti-GPX1 antibody

GPX1 Antibody

CATALOG # AAA326030	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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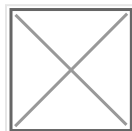
PRODUCT SYNONYMS

GPX1; Polyclonal Antibody; GPX1 Antibody; AL033363; Cellular glutathione peroxidase; Glutathione peroxidase 1; Glutathione peroxidase; GPx 1; GPx-1; GPX1_HUMAN; GPXD; GSHPx-1; GSHPX1; MGC14399; MGC88245; anti-GPX1 antibody

PRODUCT SPECIFICATIONS

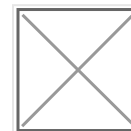
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GPX1 antibody detects endogenous levels of total GPX1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	203
Applicable Applications for anti-GPX1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GPX1
Subcellular Location	Cytoplasm.
Predicted Cross Reactivity	Pig, Bovine, Horse, Rabbit, Dog, Chicken
Similarity	Pig (91%), Bovine (82%), Horse (100%), Rabbit (90%), Dog (90%), Chicken (80%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA326030 at 1/100 staining Human prostate tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of Mouse liver tissue lysates, using GPX1 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-GPX1 antibody	Description: Glutathione peroxidase 1 (GPX1) is a cytosolic selenoprotein which reduces hydrogen peroxide to water (1). GPX1 is the most abundant and ubiquitous among the five GPX isoforms identified so far (2). It is an important component in the anti-oxidative defense in cells and is associated with a variety of disease conditions, such as colon cancer (3), coronary artery disease (4) and insulin resistance (1). Function: Protects the hemoglobin in erythrocytes from oxidative breakdown. Subunit Structure: Homotetramer. Interacts with MIEN1. Post-translational Modifications: During periods of oxidative stress, Sec-49 may react with a superoxide radical, irreversibly lose hydroselenide and be converted to dehydroalanine. Similarity: Belongs to the glutathione peroxidase family.
References	Li L, Sun HY, Liu W, Zhao HY, Shao ML; Journal: Food Chem Toxicol. Silymarin protects against acrylamide-induced neurotoxicity via Nrf2 signalling in PC12 cells.

NCBI AND UNIPROT INFORMATION

NCBI GI #	41406084
NCBI GeneID	2876
NCBI Accession #	NP_000572.2
NCBI GenBank Nucleotide #	NM_000581.3
UniProt Accession #	P07203; Q7Z5H1; Q9BW12; E9PAS1
Molecular Weight	Observed: 22 kDa Predicted: 23 kDa
NCBI Official Full Name	glutathione peroxidase 1 isoform 1
NCBI Official Synonym Full Names	glutathione peroxidase 1
NCBI Official Symbol	GPX1
NCBI Official Synonym Symbols	GPXD; GSHPX1
NCBI Protein Information	glutathione peroxidase 1
UniProt Protein Name	Glutathione peroxidase 1
UniProt Gene Name	GPX1
UniProt Synonym Gene Names	GPx-1; GSHPx-1

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/polyclonal/gpx1-antibody-immunohistochemistry-western-blot-elisa/326030>