

Rabbit Glutathione peroxidase 1 Polyclonal Antibody | anti-GPX1 antibody

Anti-GPX1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46015	Rabbit	Human, Mouse, Rat. No cross reactivity with other proteins.	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

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

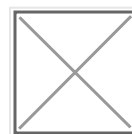
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat. No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Sequence Length	203
Applicable Applications for anti-GPX1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human GPX1(116-146aa EVNGAGAHPLFAFLREALPAPSDDATALMTD), different from the related mouse sequence by six amino acids and from the related rat sequence by five amino acids.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)
Anti- GPX1 antibody, AAA46015, IHC(P)IHC(P): Human Intestinal Cancer Tissue



IHC (Immunohistochemistry)
Anti- GPX1 antibody, AAA46015, IHC(P)IHC(P): Rat Pancreas Tissue



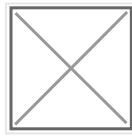
IHC (Immunohistochemisry)

Anti- GPX1 antibody, AAA46015, IHC(P)IHC(P): Mosue Pancreas Tissue



WB (Western Blot)

Anti- GPX1 antibody, AAA46015, Western blottingAll lanes: Anti GPX1 (AAA46015) at 0.5ug/mlLane 1: Rat Kidney Tissue Lysate at 50ugLane 2: Mouse Kidney Tissue Lysate at 50ugLane 3: Rat Spleen Tissue Lysate at 50ugLane 4: HELA Whole Cell Lysate at 40ugLane 5: JURKAT Whole Cell Lysate at 40ugPredicted bind size: 22,44KDObserved bind size: 22,44KD



WB (Western Blot)

Anti- GPX1 antibody, AAA46015, Western blottingAll lanes: Anti GPX1 (AAA46015) at 0.5ug/mlWB: Recombinant Human GPX1 Protein 0.5ngPredicted bind size: 36KDObserved bind size: 36KD

ADDITIONAL INFORMATION

Related Product Information for anti-GPX1 antibody

Description: Rabbit IgG polyclonal antibody for Glutathione peroxidase 1(GPX1) detection. Tested with WB, IHC-P in Human;Mouse;Rat.

Background: Glutathione peroxidase 1, also known as, GPX-1 is an enzyme that in humans is encoded by the GPX1 gene. It is mapped to 3p21.31. This gene encodes a member of the glutathione peroxidase family, consisting of eight known glutathione peroxidases (Gpx1-8) in humans. Glutathione peroxidase functions in the detoxification of hydrogen peroxide, and is one of the most important antioxidant enzymes in humans. It has been reported that the protein encoded by this gene protects from CD95-induced apoptosis in cultured breast cancer cells and inhibits 5-lipoxygenase in blood cells, and its overexpression delays endothelial cell growth and increases resistance to toxic challenges. GPX1 is one of only a few proteins known in higher vertebrates to contain selenocysteine, which occurs at the active site of glutathione peroxidase and is coded by the nonsense (stop) codon TGA.

NCBI AND UNIPROT INFORMATION

NCBI GI #	41406084
NCBI GeneID	2876
NCBI Accession #	NP_000572.2
NCBI GenBank Nucleotide #	NM_000581.2
UniProt Accession #	P07203 ; Q7Z5H1 ; Q9BW12 ; E9PAS1
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; GPx-1; GSHPx-1; cellular glutathione peroxidase
UniProt Protein Name	Glutathione peroxidase 1
UniProt Gene Name	GPX1
UniProt Synonym Gene Names	GPx-1; GSHPx-1
UniProt Entry Name	GPX1_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/polyclonal/glutathione-peroxidase-1-antibody-immunohistochemistry-western-blot-elisa/46015>