

Rabbit GPX3 Polyclonal Antibody | anti-GPX3 antibody

GPX3 antibody - N-terminal region

CATALOG # AAA198927	HOST Rabbit	REACTIVITY Cow, Dog, Guinea Pig, Human, Mouse, Pig, Rat	APPLICATIONS Western Blot, Immunohistochemistry
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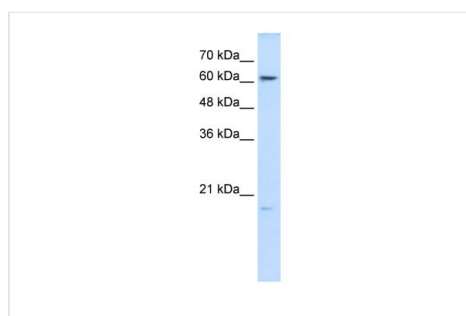
PRODUCT SYNONYMS

GPX3; Polyclonal Antibody; GPX3 antibody - N-terminal region; anti-GPX3 antibody

PRODUCT SPECIFICATIONS

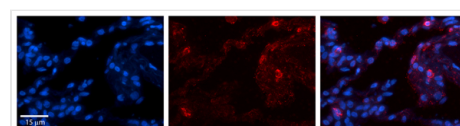
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Human, Mouse, Pig, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: DC HGGISGTIYE YGALTIDGEE YIPFKQYAGK YVLFVNVASY UGLTGQYI
Sequence Length	226
Applicable Applications for anti-GPX3 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 100%; Dog: 83%; Guinea Pig: 79%; Human: 100%; Mouse: 100%; Pig: 93%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human GPX3
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-GPX3 Antibody Titration: 0.2-1 ug/ml Positive Control: HepG2 cell lysate GPX3 is strongly supported by BioGPS gene expression data to be expressed in Human HepG2 cells



IHC (Immunohistochemistry)

Rabbit Anti-GPX3 Antibody Formalin Fixed Paraffin Embedded Tissue: Human Lung Tissue Observed Staining: Membrane and cytoplasmic in alveolar type I & II cells Primary Antibody Concentration: 1:100 Other Working Concentrations: 1/600 Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec

ADDITIONAL INFORMATION

Related Product Information for anti-GPX3 antibody	This is a rabbit polyclonal antibody against GPX3. It was validated on Western Blot using a cell lysate as a positive control. Target Description: GPX3 belongs to the glutathione peroxidase family, which functions in the detoxification of hydrogen peroxide. It contains a selenocysteine (Sec) residue at its active site. The selenocysteine is encoded by the UGA codon, which normally signals translation termination. Glutathione peroxidase catalyzes the reduction of hydrogen peroxide, organic hydroperoxide, and lipid peroxides by reduced glutathione and functions in the protection of cells against oxidative damage. Human plasma glutathione peroxidase has been shown to be a selenium-containing enzyme. GPX3 expression appears to be tissue-specific.
Product Categories/Family for anti-GPX3 antibody	Polyclonal; Signal Proteins; Drugs and Drug Metabolism; Tissue Specific & Cell Marker

NCBI AND UNIPROT INFORMATION

NCBI GI #	6006001
NCBI GeneID	2878
NCBI Accession #	NP_002075
NCBI GenBank Nucleotide #	NM_002084
UniProt Accession #	P22352
Molecular Weight	25kDa
NCBI Official Full Name	glutathione peroxidase 3 isoform 1
NCBI Official Synonym Full Names	glutathione peroxidase 3
NCBI Official Symbol	GPX3
NCBI Official Synonym Symbols	GPx-P; GSHPx-3; GSHPx-P
NCBI Protein Information	glutathione peroxidase 3
UniProt Protein Name	Glutathione peroxidase 3
UniProt Gene Name	GPX3
UniProt Synonym Gene Names	GPXP; GPx-3; GSHPx-3; GPx-P; GSHPx-P
UniProt Entry Name	GPX3_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/gpx3-antibody-western-blot-immunohistochemistry-elisa/198927>