

Goat GPX3 Polyclonal Antibody | anti-GPX3 antibody

Goat Polyclonal to Human GPX3

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50920	Goat	Human, Monkey, Mouse, Rat, Bat, Bovine, Dog, Horse, Pig	ELISA, Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

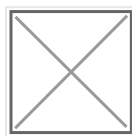
GPX3; Polyclonal Antibody; Goat Polyclonal to Human GPX3; Anti-GPX3 Antibody (Internal) IHC-plus; Glutathione peroxidase 3; GSHPx-3; GPXP; GSHPx-P; GPx-3; GPx-P; Plasma glutathione peroxidase; Human GPX3; anti-GPX3 antibody

PRODUCT SPECIFICATIONS

Host	Goat
Reactivity	Human, Monkey, Mouse, Rat, Bat, Bovine, Dog, Horse, Pig
Clonality	Polyclonal
Specificity	Human GPX3. This antibody may cross-react with epididymis-specific GPX5 and olfactory epithelium-specific GPX6
Purity/Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Form/Format	Tris-buffered saline, pH 7.3, 0.5% BSA, 0.02% sodium azide
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	226
Applicable Applications for anti-GPX3 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic peptide C-NQFGKQEPGENSE from an internal region of human GPX3 (NP_002075.2). Percent identity by BLAST analysis: Human, Gorilla, Orangutan, Gibbon, Monkey, Marmoset, Mouse, Rat, Elephant, Panda, Dog, Bat, Bovine, Horse, Pig (100%).
Immunogen Type	Synthetic peptide
Immunogen	GPX3 antibody was raised against synthetic peptide C-NQFGKQEPGENSE from an internal region of human GPX3 (NP_002075.2).
Epitope	aa102-114
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

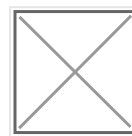
Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-drying oven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Store at -20 degree C. Minimize freezing and thawing.

IMAGES



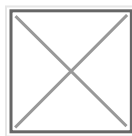
WB (Western Blot)

Antibody (1 ug/ml) staining of Mouse Heart lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



IHC (Immunohistochemistry)

Anti-GPX3 antibody IHC of human placenta. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.



IHC (Immunohistochemistry)

Anti-GPX3 antibody IHC of human colon. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6006001
NCBI GeneID	2878
NCBI Accession #	NP_002075.2
NCBI GenBank Nucleotide #	NM_002084.3
UniProt Accession #	P22352; O43787; Q86W78; Q9NZ74; Q9UEL1
NCBI Official Full Name	glutathione peroxidase 3
NCBI Official Synonym Full Names	glutathione peroxidase 3 (plasma)
NCBI Official Symbol	GPX3
NCBI Official Synonym Symbols	GPx-P; GSHPx-3; GSHPx-P
NCBI Protein Information	glutathione peroxidase 3; GPx-3; plasma glutathione peroxidase; extracellular glutathione peroxidase
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/50920>