

Rabbit GPX2 Polyclonal Antibody | anti-GPX2 antibody

GPX2 Polyclonal Antibody

CATALOG # AAA281453	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

GPX2; Polyclonal Antibody; GPX2 Polyclonal Antibody; GI-GPx; GPRP; GPRP-2; GPx-2; GPx-GI; GSHPX-GI; GSHPx-2; glutathione peroxidase 2; anti-GPX2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.09% Sodium azide, 50% glycerol, pH 7.3.
Sequence Length	190
Applicable Applications for anti-GPX2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 100-180 of human GPX2 (NP_002074.2).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



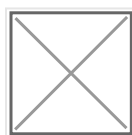
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse stomach using GPX2 antibody (A15999) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



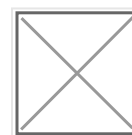
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat stomach using GPX2 antibody (AAA281453) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human colon carcinoma using GPX2 antibody (AAA281453) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



WB (Western Blot)

Western blot-GPX2 Polyclonal Antibody

ADDITIONAL INFORMATION

Related Product Information for anti-GPX2 antibody	The protein encoded by this gene belongs to the glutathione peroxidase family, members of which catalyze the reduction of organic hydroperoxides and hydrogen peroxide (H2O2) by glutathione, and thereby protect cells against oxidative damage. Several isozymes of this gene family exist in vertebrates, which vary in cellular location and substrate specificity. This isozyme is predominantly expressed in the gastrointestinal tract (also in liver in human), is localized in the cytoplasm, and whose preferred substrate is hydrogen peroxide. Overexpression of this gene is associated with increased differentiation and proliferation in colorectal cancer. This isozyme is also a selenoprotein, containing the rare amino acid selenocysteine (Sec) at its active site. Sec is encoded by the UGA codon, which normally signals translation termination. The 3' UTRs of selenoprotein mRNAs contain a conserved stem-loop structure, designated the Sec insertion sequence (SECIS) element, that is necessary for the recognition of UGA as a Sec codon, rather than as a stop signal. Alternatively spliced transcript variants have been found for this gene.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	32967607
NCBI GeneID	2877
NCBI Accession #	NP_002074.2
NCBI GenBank Nucleotide #	NP_002074.2
UniProt Accession #	P18283
Molecular Weight	Calculated: 21kDa Observed: 21kDa
NCBI Official Full Name	glutathione peroxidase 2
NCBI Official Synonym Full Names	glutathione peroxidase 2
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
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/gpx2-antibody-immunohistochemistry-western-blot-elisa/281453>