

Goat GPX4 / MCSP Polyclonal Antibody | anti-GPX4 antibody

Goat Polyclonal to Human GPX4 / MCSP

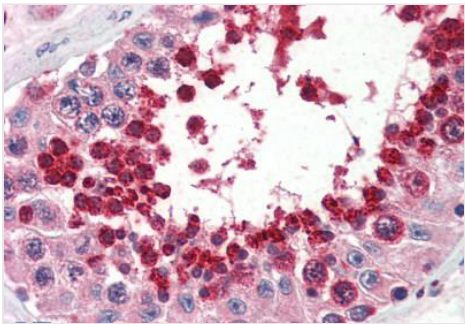
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51012	Goat	Gibbon, Gorilla, Human, Monkey, Orangutan Predicted Reactivity: Bovine, Goat, Hamster (at least 90% immunogen sequence identity)	ELISA, Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

GPX4 / MCSP; Polyclonal Antibody; Goat Polyclonal to Human GPX4 / MCSP; Anti-GPX4 / MCSP Antibody (C-Terminus) IHC-plus; GPX4; GPx-4; MCSP; SnPHGPx; Phospholipid hydroperoxidase; SnGPx; Glutathione peroxidase 4; GSHPx-4; PHGPx; Human GPX4; anti-GPX4 antibody

PRODUCT SPECIFICATIONS

Host	Goat
Reactivity	Gibbon, Gorilla, Human, Monkey, Orangutan Predicted Reactivity: Bovine, Goat, Hamster (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human GPX4. This antibody is expected to recognise isoform A (NP_002076.2) and isoform C (NP_001034937.1).
Purity/Purification	Immunoaffinity Purified
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	197
Applicable Applications for anti-GPX4 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic peptide C-EEPLVIEKDLPY from the C-terminus of human GPX4 (NP_002076.2; NP_001034937.1). Percent identity by BLAST analysis: Human, Gorilla, Orangutan, Gibbon, Monkey (100%); Goat, Hamster, Bovine (92%).
Immunogen Type	Synthetic peptide
Immunogen	GPX4 / MCSP antibody was raised against synthetic peptide C-EEPLVIEKDLPY from the C-terminus of human GPX4 (NP_002076.2; NP_001034937.1). Percent identity by BLAST analysis: Human, Gorilla, Orangutan, Gibbon, Monkey (100%); Goat, Hamster, Bovine (92%); Marmoset, Mouse, Rat, Pig, Opossum, Guinea pig (85%).
Antigen Modification	C-Terminus
Preparation and Storage	Store at -20 degree C. Minimize freezing and thawing.



IHC (Immunohistochemistry)
Anti-GPX4 antibody IHC of human testis. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

WB (Western Blot)
Antibody (0.1 ug/ml) staining of Human Testis lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-GPX4 antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	75709200
NCBI GeneID	2879
NCBI Accession #	NP_002076.2
NCBI GenBank Nucleotide #	NM_002085.4
UniProt Accession #	P36969; O43381; Q6PJ59; Q9UPK2
Molecular Weight	19,525 Da
NCBI Official Full Name	phospholipid hydroperoxide glutathione peroxidase, mitochondrial isoform A
NCBI Official Synonym Full Names	glutathione peroxidase 4
NCBI Official Symbol	GPX4
NCBI Official Synonym Symbols	MCSP; GPx-4; PHGPx; snGPx; GSHPx-4; snPHGPx
NCBI Protein Information	phospholipid hydroperoxide glutathione peroxidase, mitochondrial; phospholipid hydroperoxidase; sperm nucleus glutathione peroxidase
UniProt Protein Name	Phospholipid hydroperoxide glutathione peroxidase, mitochondrial
UniProt Gene Name	GPX4
UniProt Synonym Gene Names	PHGPx; GPx-4; GSHPx-4
UniProt Entry Name	GPX4_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.