Rabbit GPX5 Polyclonal Antibody | anti-GPX5 antibody

GPX5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326001	**Rabbit**	**Human, Mouse, Rat**	**ELISA, Immunohistochemistry, Western Blot**

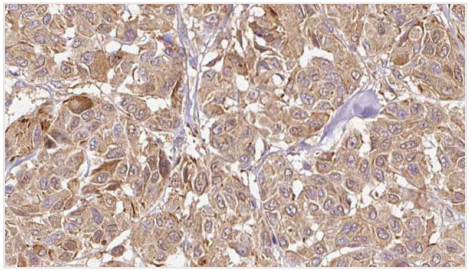
PRODUCT SYNONYMS

GPX5; Polyclonal Antibody; GPX5 Antibody; anti-GPX5 antibody

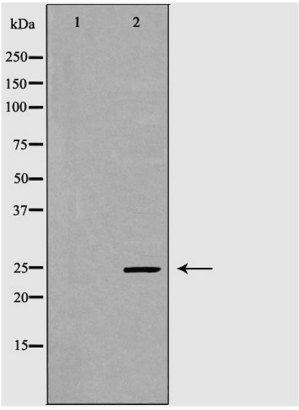
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GPX5 antibody detects endogenous levels of total GPX5
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	221
Applicable Applications for anti-GPX5 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GPX5
Subcellular Location	Secreted.
Tissue Specificity	Epididymis.
Predicted Cross Reactivity	**Pig, Bovine, Horse, Sheep, Rabbit, Dog**
Similarity	Pig (82%), Bovine (90%), Horse (90%), Sheep (90%), Rabbit (90%), Dog (80%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohiostchemistry)
AAA326001 at 1/100 staining Human Melanoma tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of testis using GPX5 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-GPX5 antibody	Description: GPX5 belongs to the glutathione peroxidase family. GPX5 protects cells and enzymes from oxidative damage, by catalyzing the reduction of hydrogen peroxide, lipid peroxides and organic hydroperoxide, by glutathione. Catalytic the reaction: 2 glutathione + H2O2 = glutathione disulfide + 2 H2O. GPX5 constitute a glutathionine peroxidase-like protective system against peroxide damage in sperm membrane lipids. Function: Protects cells and enzymes from oxidative damage, by catalyzing the reduction of hydrogen peroxide, lipid peroxides and organic hydroperoxide, by glutathione. May constitute a glutathione peroxidase-like protective system against peroxide damage in sperm membrane lipids. Similarity: Belongs to the glutathione peroxidase family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557629
NCBI GeneID	2880
NCBI Accession #	NP_001500.1
NCBI GenBank Nucleotide #	NM_001509.2
UniProt Accession #	O75715; A1A4Y0
Molecular Weight	Observed: 25 kDa Predicted: 26 kDa
NCBI Official Full Name	epididymal secretory glutathione peroxidase isoform 1
NCBI Official Synonym Full Names	glutathione peroxidase 5
NCBI Official Symbol	GPX5
NCBI Official Synonym Symbols	HEL-S-75p
NCBI Protein Information	epididymal secretory glutathione peroxidase
UniProt Protein Name	Epididymal secretory glutathione peroxidase
UniProt Gene Name	**GPX5**
UniProt Synonym Gene Names	EGLP; GPx-5; GSHPx-5

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.