

Rabbit GPX4 Polyclonal Antibody | anti-GPX4 antibody

GPX4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA232732	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, ELISA

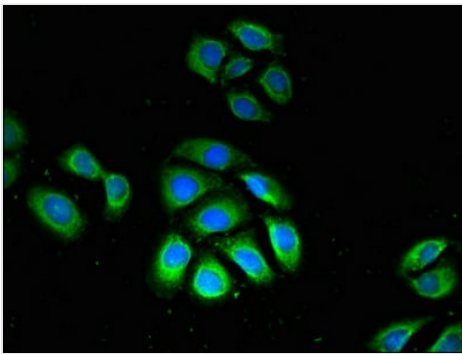
PRODUCT SYNONYMS

GPX4; Polyclonal Antibody; GPX4 Antibody; Phospholipid hydroperoxide glutathione peroxidase; mitochondrial; PHGPx; Glutathione peroxidase 4; GPx-4; GSHPx-4; anti-GPX4 antibody

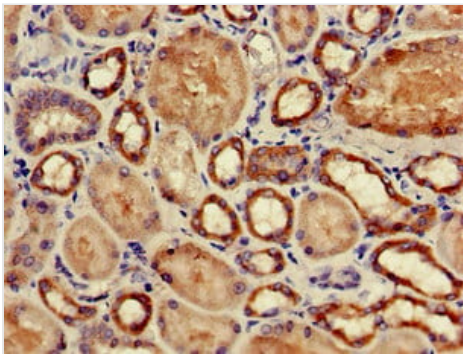
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	227
Applicable Applications for anti-GPX4 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Phospholipid hydroperoxide glutathione peroxidase, mitochondrial protein (74-197AA)
Immunogen Species	Homo sapiens (Human)
Storage Buffer	Preservative: 0.03% Proclin 300, Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Conjugation	Non-conjugated
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-27529 / sc-50497 / sc-55199 / sc-55200
Product Type	Polyclonal Antibody
Research Area	Signal Transduction
Target Names	GPX4
Preparation and Storage	Upon receipt store at -20 degree C or -80 degree C. Avoid repeated freeze.

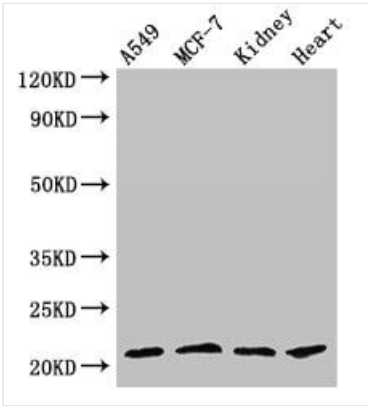
IMAGES



IHC (Immunohistochemisry)
Immunofluorescent analysis of A549 cells using AAA232732 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded human kidney tissue using AAA232732 at dilution of 1:100



WB (Western Blot)
Western BlotPositive WB detected in: A549 whole cell lysate,MCF-7 whole cell lysate,Mouse kidney tissue,Rat heart tissueAll lanes: GPX4 antibody at 3.5ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 23,20 KDaObserved band size: 23 KDa

ADDITIONAL INFORMATION

Related Product Information for anti-GPX4 antibody	GPX4 polyclonal antibody MBS7049412 was produced in the rabbit immunized by using the Recombinant Human Phospholipid hydroperoxide glutathione peroxidase, mitochondrial protein (74-197AA) as the immunogen. The target protein GPX4 belongs to the glutathione peroxidase family, members of which catalyze the reduction of hydrogen peroxide, organic hydroperoxides and lipid hydroperoxides. It plays a key role in protecting cells from oxidative damage by preventing membrane lipid peroxidation. Diseases associated with GPX4 include Spondylometaphyseal Dysplasia, Sedaghatian Type and Male Infertility. This Rabbit anti-Homo sapiens (Human) GPX4 Polyclonal antibody was tested in the ELISA, WB, IHC and IF applications. The non-conjugated IgG got purified by protein G and reached up to 95% in purity. It reacts with the GPX4 proteins of human or mouse or rat-origin and may be used to detect the endogenous levels of GPX4 protein
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	90903238
NCBI GeneID	2879
NCBI Accession #	NP_001034936.1
NCBI GenBank Nucleotide #	NM_001039847.2
UniProt Accession #	P36969; O43381; Q6PJ59; Q9UPK2
NCBI Official Full Name	phospholipid hydroperoxide glutathione peroxidase, mitochondrial isoform B
NCBI Official Synonym Full Names	glutathione peroxidase 4

NCBI Official Symbol	GPX4
NCBI Official Synonym Symbols	MCSP; SMDS; GPx-4; PHGPx; snGPx; GSHPx-4; snPHGPx
NCBI Protein Information	phospholipid hydroperoxide glutathione peroxidase, mitochondrial; phospholipid hydroperoxide 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/gpx4-antibody-immunofluorescence-immunohistochemistry-elisa/232732>