Rabbit GPX4/MCSP Polyclonal Antibody | anti-GPX4 antibody

GPX4/MCSP Rabbit anti-Human Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA162722	**Rabbit**	**Mouse, Rat, Human**	**Western Blot, Immunohistochemistry, Immunohistochemistry, Immunofluorescence, Immunocytochemistry**

PRODUCT SYNONYMS

GPX4/MCSP; Polyclonal Antibody; GPX4/MCSP Rabbit anti-Human Polyclonal Antibody; IHC-plus GPX4/MCSP Antibody; GPX4; GPx-4; MCSP; SnPHGPx; Phospholipid hydroperoxidase; SnGPx; Glutathione peroxidase 4; GSHPx-4; PHGPx; anti-GPX4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat, Human
Clonality	Polyclonal
Specificity	Recognizes endogenous levels of GPx-4 protein.
Purity/Purification	Immunoaffinity purified
Form/Format	PBS, pH7.3, 0.01% Sodium Azide, 30% Glycerol
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-GPX4 antibody	WB (Western Blot), IHC (Immunohistochemistry), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry)
Target	Human GPX4/MCSP
Immunogen	Recombinant full length human GPx-4.
Conjugation	Unconjugated
Preparation and Storage	Aliquot and store at -20 degree C for 1 year. Avoid freeze/thaw cycles.

IMAGES

IHC (Immunohistochemisry)
GPX4/MCSP Antibody-Human Tonsil: Formalin-Fixed, Paraffin-Embedded (FFPE

WB (Western Blot)
GPX4/MCSP Antibody-Western blot analysis of GPx-4 expression in mouse kidney (A) whole cell lysates.

ICC (Immunocytochemistry)
GPX4/MCSP Antibody-Immunofluorescent analysis of GPx-4 staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 deg C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

ADDITIONAL INFORMATION

Related Product Information for anti-GPX4 antibody	MCSP antibody is an unconjugated rabbit polyclonal antibody to MCSP (GPX4) from human. It is reactive with human, mouse and rat. Validated for ICC, IF, IHC and WB. Tested on 20 paraffin-embedded human tissues. Cited in 1 publication.

NCBI AND UNIPROT INFORMATION

NCBI GI #	75709200
NCBI GeneID	2879
NCBI Accession #	NP_002076.2
NCBI GenBank Nucleotide #	NM_002085
UniProt Accession #	P36969; O43381; Q6PJ59; Q9UPK2; Q6PI42; Q6PJX4
Molecular Weight	22,175 Da
NCBI Official Full Name	phospholipid hydroperoxide glutathione peroxidase, mitochondrial isoform A
NCBI Official Synonym Full Names	glutathione peroxidase 4 (phospholipid hydroperoxidase)
NCBI Official Symbol	GPX4
NCBI Official Synonym Symbols	MCSP; PHGPx; snGPx; snPHGPx
NCBI Protein Information	phospholipid hydroperoxide glutathione peroxidase, mitochondrial; GPx-4; GSHPx-4; 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.

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