

GPx-4 recombinant antibody

Recombinant Anti-GPx-4 Rabbit mAb

CATALOG # AAA266269	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

GPx-4; Monoclonal Recombinant Antibody; Recombinant Anti-GPx-4 Rabbit mAb; Phospholipid hydroperoxide glutathione peroxidase; mitochondrial; PHGPx; Glutathione peroxidase 4; GSHPx-4; GPx-4 recombinant antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Specificity	Recognizes endogenous levels of GPx-4 protein
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Form/Format	Liquid in PBS, pH7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.
Applicable Applications for GPx-4 recombinant antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within human GPx-4. The exact sequence is proprietary.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of GPx-4 staining in rat kidney formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. Tyramide-AF488 (green) was used as the chromogen. The section was then counterstained with DAPI (blue).



WB (Western Blot)

Western blot analysis of GPx-4 expression in HEK293T (A), MCF7 (B), mouse kidney (C), mouse testis (D), rat kidney (E) whole cell lysates. (Predicted band size: 22 kD; Observed band size: 22 kD)

ADDITIONAL INFORMATION

Related Product Information for GPx-4 recombinant antibody	Recombinant rabbit monoclonal antibody to GPx-4
Product Categories/Family for GPx-4 recombinant antibody	Primary Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	172045844
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NCBI GeneID	2879
UniProt Accession #	P36969; O43381; Q6PJ59; Q9UPK2
Molecular Weight	Observed MW: 22kDa Calculated MW: 19kDa/22kDa
NCBI Official Full Name	Phospholipid hydroperoxide glutathione peroxidase, mitochondrial
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/gpx-4-recombinant-antibody-immunohistochemistry-western-blot-elisa/266269>