Rabbit GPX4 Monoclonal Antibody | anti-GPX4 antibody

GPX4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312578	**Rabbit**	**Human, Mouse, Rat, Zebrafish**	**Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

GPX4; Monoclonal Antibody; GPX4 Antibody; Glutathione peroxidase 4 antibody; GPX 4 antibody; GPX-4 antibody; GPX4 antibody; GPX4_HUMAN antibody; GSHPx-4 antibody; MCSP antibody; mitochondrial antibody; PHGPx antibody; Phospholipid hydroperoxidase antibody; Phospholipid hydroperoxide glutathione peroxidase antibody; Phospholipid hydroperoxide glutathione peroxidase mitochondrial antibody; snGPx antibody; snPHGPx antibody; Sperm nucleus glutathione peroxidase antibody; anti-GPX4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat, Zebrafish
Clonality	Monoclonal
Clone Number	JU11-31
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH 7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Concentration	1ug/ul (varies by lot)
Applicable Applications for anti-GPX4 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Synthetic peptide within Human GPX4
Preparation and Storage	Store at -20 degree C.

IMAGES

IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human kidney tissue with GPX4 antibody at 1/1,000 dilution.

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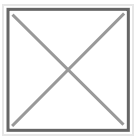
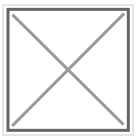
Immunohistochemical analysis of paraffin-embedded human kidney tissue with GPX4 antibody at 1/1,000 dilution.

WB (Western Blot)
Western blot analysis of GPX4 on different lysates with GPX4 antibody at 1/10,000 dilution Lane 1: HeLa cell lysate (20 ug/Lane) Lane 2: A549 cell lysate (20 ug/Lane) Lane 3: HepG2 cell lysate (20 ug/Lane) Lane 4: U-937 cell lysate (20 ug/Lane) Lane 5: HEK-293 cell lysate (20 ug/Lane) Lane 6: Mouse testis tissue lysate (20 ug/Lane) Lane 7: Rat testis tissue lysate (20 ug/Lane) Lane 8: Mouse kidney tissue lysate (20 ug/Lane) Lane 9: Rat kidney tissue lysate (20 ug/Lane) Lane 10: Mouse brain tissue lysate (20 ug/Lane) Lane 11: Rat brain tissue lysate (20 ug/Lane) Predicted band size: 22 kDa Observed band size: 20 kDa Exposure time: 2 minutes; 4-20% SDS-PAGE gel.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-GPX4 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-GPX4 antibody. Counter stained with hematoxylin.

ADDITIONAL INFORMATION

Related Product Information for anti-GPX4 antibody	Glutathione peroxidase (GPx) enzymes are generally selenium-containing tetrameric glycoproteins that help prevent lipid peroxidation of cell membranes. GPx enzymes reduce lipid hydroperoxides to alcohols, and reduce free hydrogen peroxide to water. GPx members are among the few proteins known in higher vertebrates to contain selenocysteine, which occurs at the active site of glutathione peroxidase and is coded by the nonsense (stop) codon TGA. There are eight GPx homologs (GPx-1-8). GPx-1, Gpx-2 and Gpx-3 exist as homotetramers. Gpx-4 has a high tendancy to form high molecular weight oligomers.
Product Categories/Family for anti-GPX4 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	172045844
NCBI GeneID	2879
UniProt Accession #	P36969; O43381; Q6PJ59; Q9UPK2
Molecular Weight	22 kDa
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/gpx4-antibody-clone-ju11-31-immunohistochemistry-western-blot-elisa/312578