



Anti-Glutathione Peroxidase 4/GPX4 Rabbit pAb

WL05406

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-Glutathione Peroxidase 4/GPX4 Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat, Cow	
Tested applications	WB	1:500-1:1000
	IHC, IF	1:50-1:200
Cellular localization	Cytoplasm, Mitochondrion.	
Pack size	50/100/200/500/1000µl	
Storage	Store at -20°C. Avoid freeze/thaw cycles.	
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml	
	BSA, 50% glycerol and less than 0.02% sodium azide	

General Information

Background	GPX4 (Phospholipid hydroperoxide glutathione peroxidase, mitochondrial) protects cells against membrane lipid peroxidation and cell death. It is also required for normal sperm development; thus, it has been identified as a 'moonlighting' protein because of its ability to serve dual functions as a peroxidase, as well as a structural protein in mature spermatozoa.
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Immunogen	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of Glutathione Peroxidase 4/GPX4.
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Purification	Polyclonal antibody was purified by immunogen affinity chromatography.
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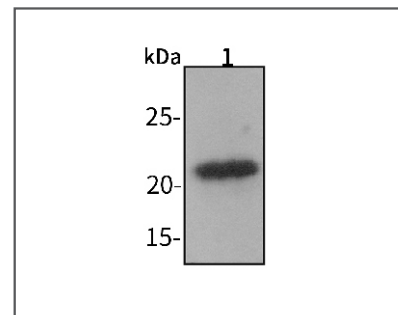


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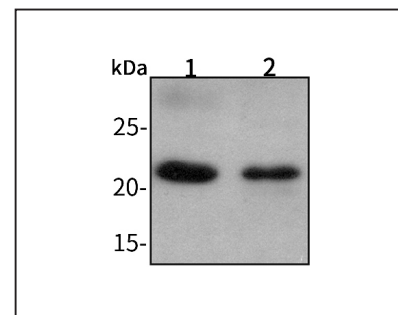
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Product Images



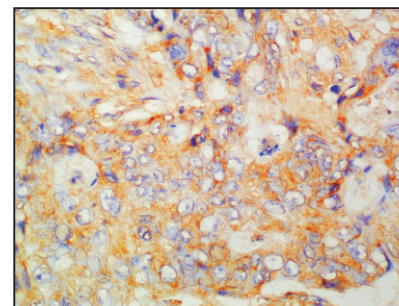
Western blot-Anti-Glutathione Peroxidase 4/GPX4 pAb

Lane 1: Human HEK-293 cell lysate
All lanes: Anti-Glutathione Peroxidase 4/GPX4 at 1:1000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 22 kDa
 Observed band size: 22 kDa



Western blot-Anti-Glutathione Peroxidase 4/GPX4 pAb

Lane 1: Mouse kidney tissue lysate
Lane 2: Mouse kidney tissue lysate
All lanes: Anti-Glutathione Peroxidase 4/GPX4 at 1:1000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 22 kDa
 Observed band size: 22 kDa



Immunohistochemistry-Anti-Glutathione Peroxidase 4/GPX4 pAb

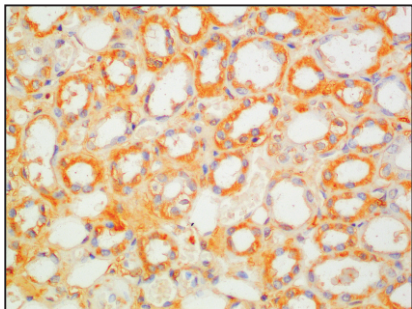
Immunohistochemical analysis of paraffin-embedded human colon cancer using anti-Glutathione Peroxidase 4/GPX4 Rabbit Antibody at 1:100 dilution.
 Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

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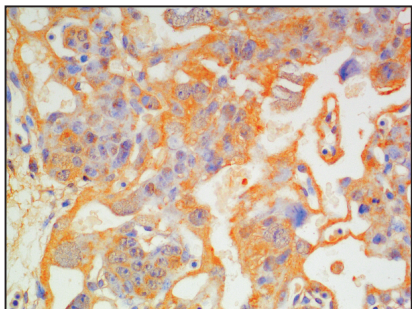
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Immunohistochemistry-Anti-Glutathione Peroxidase 4/GPX4 pAb

Immunohistochemical analysis of paraffin-embedded human kidney cancer using anti-Glutathione Peroxidase 4/GPX4 Rabbit Antibody at 1:100 dilution.

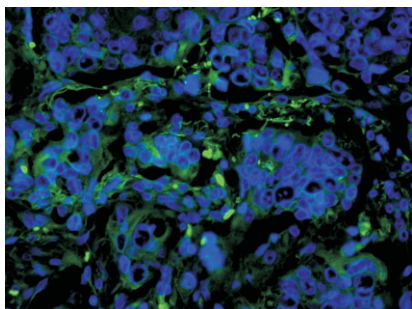
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunohistochemistry-Anti-Glutathione Peroxidase 4/GPX4 pAb

Immunohistochemical analysis of paraffin-embedded mouse placenta using anti-Glutathione Peroxidase 4/GPX4 Rabbit Antibody at 1:100 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-Glutathione Peroxidase 4/GPX4 pAb

Immunofluorescence analysis of paraffin-embedded human colon cancer using anti-Glutathione Peroxidase 4/GPX4 Rabbit Antibody at 1:100 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0