



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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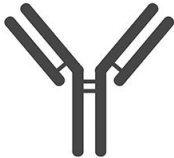
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Product Number	ARP58473_P050-FITC
Product Page	<a href="http://www.avivasysbio.com/gpx4-antibody-middle-region-fitc-arp58473-p050-fitc.html">www.avivasysbio.com/gpx4-antibody-middle-region-fitc-arp58473-p050-fitc.html</a>
Name	GPX4 Antibody - middle region : FITC (ARP58473_P050-FITC)
Protein Size (# AA)	197 amino acids
Molecular Weight	22kDa
Conjugation	FITC: Fluorescein Isothiocyanate
NCBI Gene Id	2879
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Glutathione peroxidase 4
Alias Symbols	MCSP, SMDS, GPx-4, PHGPx, snGPx, GSHPx-4, snPHGPx
Peptide Sequence	Synthetic peptide located within the following region: <a href="#">QUGKTEVNYTQLVDLHARYAECGLRILAFPCNQFGKQEPGSNEEIKEFAA</a>
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Peters,U., (2008) Cancer Epidemiol. Biomarkers Prev. 17 (5), 1144-1154
Description of Target	Glutathione peroxidase catalyzes the reduction of hydrogen peroxide, organic hydroperoxide, and lipid peroxides by reduced glutathione and functions in the protection of cells against oxidative damage. Human plasma glutathione peroxidase has been shown to be a selenium-containing enzyme and the UGA codon is translated into a selenocysteine. Through alternative splicing and transcription initiation, rat produces proteins that localize to the nucleus, mitochondrion, and cytoplasm. In humans, experimental evidence for alternative splicing exists; alternative transcription initiation and the cleavage sites of the mitochondrial and nuclear transit peptides need to be experimentally verified. Glutathione peroxidase catalyzes the reduction of hydrogen peroxide, organic hydroperoxide, and lipid peroxides by reduced glutathione and functions in the protection of cells against oxidative damage. Human plasma glutathione peroxidase has been shown to be a selenium-containing enzyme and the UGA codon is translated into a selenocysteine. Through alternative splicing and transcription initiation, rat produces proteins that localize to the nucleus, mitochondrion, and cytoplasm. In humans, experimental evidence for alternative splicing exists; alternative transcription initiation and the cleavage sites of the mitochondrial and nuclear transit peptides need to be experimentally verified.
Protein Interactions	UBC; PRDX6; MAPK13; OTUD5;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for <a href="#">anti-GPX4 (ARP58473_P050-FITC) antibody</a>
Additional Information	<b>IHC Information:</b> Human Testis (formalin-fixed, paraffin-embedded) stained with GPX4 antibody ARP58473_P050 at 2.5 ug/ml followed by biotinylated anti-goat IgG secondary antibody LS-D3, alkaline phosphatase-streptavidin and chromogen. <b>IHC Information:</b> Heart
Blocking Peptide	For anti-GPX4 (ARP58473_P050-FITC) antibody is <a href="#">Catalog # AAP58473</a> (Previous Catalog # AAPP34569)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human GPX4
Uniprot ID	<a href="#">P36969</a>
Protein Name	Phospholipid hydroperoxide glutathione peroxidase, mitochondrial

<b>Sample Type Confirmation</b>	GPX4 is supported by BioGPS gene expression data to be expressed in HepG2
<b>Protein Accession #</b>	<a href="#">NP_002076</a>
<b>Purification</b>	Affinity Purified
<b>Nucleotide Accession #</b>	<a href="#">NM_002085</a>
<b>Gene Symbol</b>	<a href="#">GPX4</a>
<b>Predicted Species Reactivity</b>	Human, Mouse, Rat, Cow, Goat, Guinea Pig, Yeast, Zebrafish
<b>Application</b>	IHC, WB
<b>Predicted Homology Based on Immunogen Sequence</b>	Cow: 86%; Goat: 86%; Guinea Pig: 86%; Human: 100%; Mouse: 86%; Rat: 86%; Yeast: 93%; Zebrafish: 86%
<b>Image 1</b>	

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Optimal conditions of its use should be determined by end users.

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