



# Human GPX3 blocking peptide (CDBP1418)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Blocking/Immunizing peptide for anti-GPX3 antibody
<b>Antigen Description</b>	This gene product belongs to the glutathione peroxidase family, which functions in the detoxification of hydrogen peroxide. It contains a selenocysteine (Sec) residue at its active site. The selenocysteine is encoded by the UGA codon, which normally signals translation termination. The 3' UTR of Sec-containing genes have a common stem-loop structure, the sec insertion sequence (SECIS), which is necessary for the recognition of UGA as a Sec codon rather than as a stop signal.
<b>Species</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Apuri, BL, ELISA
<b>Format</b>	Lyophilized powder
<b>Size</b>	100 µg
<b>Preservative</b>	None
<b>Storage</b>	Shipped at ambient temperature, store at -20°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">GPX3 glutathione peroxidase 3 (plasma) [ Homo sapiens ]</a>
<b>Official Symbol</b>	GPX3
<b>Synonyms</b>	GPX3; glutathione peroxidase 3 (plasma); glutathione peroxidase 3; GPx-3; plasma glutathione peroxidase; extracellular glutathione peroxidase; GPx-P; GSHPx-3; GSHPx-P;

<b>Entrez Gene ID</b>	<a href="#">2878</a>
<b>mRNA Refseq</b>	<a href="#">NM_002084</a>
<b>Protein Refseq</b>	<a href="#">NP_002075</a>
<b>UniProt ID</b>	P22352
<b>Chromosome Location</b>	5q23
<b>Pathway</b>	Arachidonic acid metabolism, organism-specific biosystem; Arachidonic acid metabolism, conserved biosystem; Folate Metabolism, organism-specific biosystem; Glutathione metabolism, organism-specific biosystem; Glutathione metabolism, organism-specific biosystem; Glutathione metabolism, conserved biosystem; Oxidative Stress, organism-specific biosystem;
<b>Function</b>	glutathione binding; glutathione peroxidase activity; glutathione peroxidase activity; oxidoreductase activity; selenium binding; transcription factor binding;