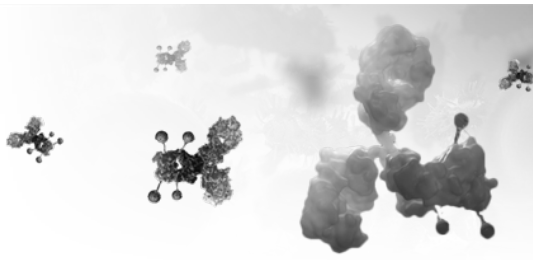

Human GPX1 blocking peptide (CDBP1380)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-Glutathione Peroxidase 1 (iso1) antibody
Antigen Description	This gene encodes a member of the glutathione peroxidase family. Glutathione peroxidase functions in the detoxification of hydrogen peroxide, and is one of the most important antioxidant enzymes in humans. This protein is one of only a few proteins known in higher vertebrates to contain selenocysteine, which occurs at the active site of glutathione peroxidase and is coded by UGA, that normally functions as a translation termination codon. In addition, this protein is characterized in a polyalanine sequence polymorphism in the N-terminal region, which includes three alleles with five, six or seven alanine (ALA) repeats in this sequence. The allele with five ALA repeats is significantly associated with breast cancer risk. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	GPX1 glutathione peroxidase 1 [Homo sapiens (human)]

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Official Symbol	GPX1
Synonyms	GPX1; glutathione peroxidase 1; GPXD; GSHPX1; GPx-1; GSHPx-1; cellular glutathione peroxidase;
Entrez Gene ID	2876
mRNA Refseq	NM_000581.2
Protein Refseq	NP_000572.2
UniProt ID	P07203
Chromosome Location	3p21.3
Pathway	Amyotrophic lateral sclerosis (ALS), organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), conserved biosystem; Arachidonic acid metabolism, organism-specific biosystem; Arachidonic acid metabolism, organism-specific biosystem; Arachidonic acid metabolism, conserved biosystem; Cellular responses to stress, organism-specific biosystem; Detoxification of Reactive Oxygen Species, organism-specific biosystem; Direct p53 ef
Function	SH3 domain binding; glutathione binding; glutathione peroxidase activity; glutathione peroxidase activity; phospholipid-hydroperoxide glutathione peroxidase activity; selenium binding;

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