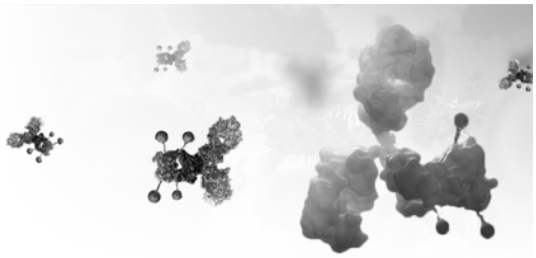

Human PRDX2 blocking peptide (CDBP2255)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-Peroxiredoxin 2 antibody
Antigen Description	This gene encodes a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. The encoded protein plays an antioxidant protective role in cells, and it may contribute to the antiviral activity of CD8(+) T-cells. The crystal structure of this protein has been resolved to 2.7 angstroms. This protein prevents hemolytic anemia from oxidative stress by stabilizing hemoglobin, thus making this gene a therapeutic target for patients with hemolytic anemia. This protein may have a proliferative effect and play a role in cancer development or progression. Related pseudogenes have been identified on chromosomes 5, 6, 10 and 13. [provided by RefSeq, Mar 2013]
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	PRDX2 peroxiredoxin 2 [Homo sapiens (human)]
Official Symbol	PRDX2

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Synonyms	PRDX2; peroxiredoxin 2; PRP; TSA; PRX2; PTX1; TPX1; NKEFB; PRXII; TDPX1; NKEF-B; HEL-S-2a; peroxiredoxin-2; torin; thioredoxin peroxidase 1; thiol-specific antioxidant 1; natural killer cell-enhancing factor B; thioredoxin-dependent peroxide reductase 1; epididymis secretory sperm binding protein Li 2a;
Entrez Gene ID	7001
mRNA Refseq	NM_005809.5
Protein Refseq	NP_005800.3
UniProt ID	P32119
Chromosome Location	19p13.2
Pathway	Cellular responses to stress, organism-specific biosystem; Detoxification of Reactive Oxygen Species, organism-specific biosystem; Selenium Pathway, organism-specific biosystem;
Function	antioxidant activity; antioxidant activity; thioredoxin peroxidase activity; thioredoxin peroxidase activity;

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