



Human PRDX1 blocking peptide (CDBP2375)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-PRDX1 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 may play an antioxidant protective role in cells, and may contribute to the antiviral activity of CD8(+) T-cells. This protein may have a proliferative effect and play a role in cancer development or progression. Four transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq, Jan 2011]
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	PRDX1 peroxiredoxin 1 [Homo sapiens]
Official Symbol	PRDX1
Synonyms	PRDX1; peroxiredoxin 1; PAGA; peroxiredoxin-1; NKEFA; NKEF-A; thioredoxin peroxidase 2; proliferation-associated gene A; natural killer-enhancing factor A; proliferation-associated gene

protein; natural killer cell-enhancing factor A; thioredoxin-dependent peroxide reductase 2;
PAG; PAGB; PRX1; PRXI; MSP23; TDPX2;

Entrez Gene ID	5052
mRNA Refseq	NM_001202431
Protein Refseq	NP_001189360
UniProt ID	Q06830
Chromosome Location	1p34.1
Pathway	Coregulation of Androgen receptor activity, organism-specific biosystem; Peroxisome, organism-specific biosystem; Peroxisome, conserved biosystem; Selenium Pathway, organism-specific biosystem;
Function	oxidoreductase activity; peroxidase activity; protein binding; thioredoxin peroxidase activity;