



Anti-PRDX1 (full length) polyclonal antibody (DPAB-DC2079)

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

PRODUCT INFORMATION

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.
Immunogen	PRDX1 (AAH07063, 1 a.a. ~ 199 a.a) full-length recombinant protein with GST tag. The sequence is MSSGNAKIGHPAPNFKATAVMPDGQFKDISLDYKGKYVVFFFHPLDFTVCPTEIFAFS DRAEEFKLNCQVIGASVDSHFCHLAWNTPKKKQGLGPMNIPLVSDPKRTIAQDYGVLK ADEGISFRGLFIIDDKGILRQITVNDLPVGRSVDETLRLVQAFQFTDKHGEVCPAGWKG SDTIKPDVQKSKEYFSKQK
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PRDX1 peroxiredoxin 1 [Homo sapiens (human)]
Official Symbol	PRDX1
Synonyms	PRDX1; peroxiredoxin 1; PAG; PAGA; PAGB; PRX1; PRXI; MSP23; NKEFA; TDPX2; NKEF-A; peroxiredoxin-1; 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;
Entrez Gene ID	5052
Protein Refseq	NP_001189360
UniProt ID	Q06830
Chromosome Location	1p34.1
Pathway	Androgen receptor signaling pathway; Coregulation of Androgen receptor activity; Peroxisome; Selenium Pathway
Function	heme binding; peroxidase activity; poly(A) RNA binding; protein binding
