



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

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

## PRODUCT INFORMATION

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

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">PRDX1 peroxiredoxin 1 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	PRDX1
<b>Synonyms</b>	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;
<b>Entrez Gene ID</b>	<a href="#">5052</a>
<b>Protein Refseq</b>	<a href="#">NP_001189360</a>
<b>UniProt ID</b>	<a href="#">Q06830</a>
<b>Chromosome Location</b>	1p34.1
<b>Pathway</b>	Androgen receptor signaling pathway; Coregulation of Androgen receptor activity; Peroxisome; Selenium Pathway
<b>Function</b>	heme binding; peroxidase activity; poly(A) RNA binding; protein binding