



# Anti-PRDX1 (aa 106-117) polyclonal antibody (DPABH-26203)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	Involved in redox regulation of the cell. Reduces peroxides with reducing equivalents provided through the thioredoxin system but not from glutaredoxin. May play an important role in eliminating peroxides generated during metabolism. Might participate in the signaling cascades of growth factors and tumor necrosis factor-alpha by regulating the intracellular concentrations of H <sub>2</sub> O <sub>2</sub> . Reduces an intramolecular disulfide bond in GTPD5 that gates the ability to GTPD5 to drive postmitotic motor neuron differentiation.
<b>Immunogen</b>	Synthetic peptide: C-SDPKRTIAQDYG, corresponding to internal sequence amino acids 106-117 of Human Peroxiredoxin 1 (NP_859048.1)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Human
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IHC-P
<b>Format</b>	Liquid
<b>Size</b>	50 µg
<b>Buffer</b>	Constituents: 0.5% BSA, Tris buffered saline, pH 7.3
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Store at 4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze

/ thaw cycles.

## GENE INFORMATION

Gene Name	<a href="#">PRDX1 peroxiredoxin 2 [ Homo sapiens ]</a>
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	<a href="#">5052</a>
Protein Refseq	<a href="#">NP_001189360.1</a>
UniProt ID	<a href="#">Q06830</a>
Pathway	Androgen receptor signaling pathway; Coregulation of Androgen receptor activity; Peroxisome; Selenium Pathway
Function	heme binding; peroxidase activity; poly(A) RNA binding; protein binding