



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

Antigen Description	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 ₂ O ₂ . Reduces an intramolecular disulfide bond in GTPD5 that gates the ability to GTPD5 to drive postmitotic motor neuron differentiation.
Immunogen	Synthetic peptide: C-SDPKRTIAQDYG, corresponding to internal sequence amino acids 106-117 of Human Peroxiredoxin 1 (NP_859048.1)
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB, IHC-P
Format	Liquid
Size	50 µg
Buffer	Constituents: 0.5% BSA, Tris buffered saline, pH 7.3
Preservative	0.02% Sodium Azide
Storage	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	PRDX1 peroxiredoxin 2 [Homo sapiens]
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_001189360.1
UniProt ID	Q06830
Pathway	Androgen receptor signaling pathway; Coregulation of Androgen receptor activity; Peroxisome; Selenium Pathway
Function	heme binding; peroxidase activity; poly(A) RNA binding; protein binding