



Anti-PRDX1 polyclonal antibody (DPABH-15905)

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 GPD5 that gates the ability to GPD5 to drive postmitotic motor neuron differentiation.
Immunogen	Synthetic peptide conjugated to KLH derived from within residues 100 to the C-terminus of Human Peroxiredoxin 1.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse, Rabbit, Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	ICC/IF, IHC-P, IP, WB
Format	Liquid
Size	100 µg
Buffer	Constituents: 1% BSA, PBS, pH 7.4
Preservative	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