



# Anti-PRDX1 monoclonal antibody, clone 4H6 (DCABH-9518)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Mouse monoclonal to Peroxiredoxin 1
<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 GPD5 that gates the ability to GPD5 to drive postmitotic motor neuron differentiation.
<b>Immunogen</b>	Recombinant full length Human Peroxiredoxin 1 purified from E.coli
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	4H6
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IP, ELISA
<b>Positive Control</b>	HeLa, A431, HL-60 and SK-N-MC cell lysates.
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	Preservative: 0.03% Sodium azide; Constituents: HEPES, 0.01% BSA, 50% Glycerol, 0.00088% Sodium chloride

**Storage**

Store at -20°C. Stable for 12 months at -20°C

## GENE INFORMATION

Gene Name	<a href="#">PRDX1 peroxiredoxin 1 [ Homo sapiens ]</a>
Official Symbol	PRDX1
Synonyms	PRDX1; peroxiredoxin 1; PAGA; peroxiredoxin-1; NKEFA; NKEF-A; thioredoxin peroxidase 2; proliferation-associated gene A; natural killer-enhancing factor A; proliferation-associated gene protein; natural killer cell-enhancing factor A; thioredoxin-dependen
Entrez Gene ID	<a href="#">5052</a>
Protein Refseq	<a href="#">NP_001189360</a>
UniProt ID	<a href="#">Q06830</a>
Chromosome Location	1p34.1
Pathway	Coregulation of Androgen receptor activity, organism-specific biosystem; Peroxisome, organism-specific biosystem; Peroxisome, conserved biosystem; Selenium Pathway, organism-specific biosystem;
Function	oxidoreductase activity; peroxidase activity; protein binding; thioredoxin peroxidase activity;