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32-6016: Mouse Anti Human Peroxiredoxin-1(Clone:PAT1D8AT.)

Clonality :	Monoclonal
Clone Name :	PAT1D8AT.
Application :	ELISA,WB
Gene :	PRDX1
Gene ID :	5052
Uniprot ID :	Q06830
Format :	Purified
Alternative Name :	Peroxiredoxin-1,EC 1.11.1.15,Thioredoxin peroxidase 2,Thioredoxin-dependent peroxide reductase 2,Proliferation-associated gene protein,Natural killer cell-enhancing factor A,NKEF-A,PRDX1,TDPX2,PRDX-1,PAG,PAGA,PRX1,PAGB,PRXI,MSP23,NKEF
Isotype :	Mouse IgG1 heavy chain and ? light chain.
Immunogen Information :	Anti-human PRDX1 mAb is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with recombinant human PRDX1 amino acids 1-199 purified from E. coli.

Description

PRDX1 is part of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. PRDX1 is an important protector of red blood cells against reactive oxygen species and in tumor prevention. PRDX1 is antioxidant protective in cells, and contributes to the antiviral activity of CD8(+) T-cells. PRDX1 has a proliferative effect and is involved in cancer development or progression. Peroxiredoxin-1 is plays a role in redox regulation of the cell. Peroxiredoxin decreases peroxides with reducing equivalents provided through the thioredoxin system but not from glutaredoxin. Peroxiredoxin is involved in eliminating peroxides generated during metabolism. Peroxiredoxin participates in the signaling cascades of growth factors and TNF-alpha by regulating the intracellular concentrations of h(2)o(2).

Product Info

Amount :	20 µg
Purification :	PRDX1 antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
Content :	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
Storage condition :	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

Application Note

PRDX1 antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:1000 ~ 2000. Recommended starting dilution is 1:1000.