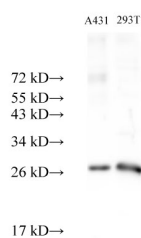


PRDX3 Polyclonal Antibody

Catalog No.	E-AB-40188	Reactivity	H
Storage	Store at -20°C. Avoid freeze / thaw cycles.	Host	Rabbit
Applications	WB	Isotype	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Images



Western Blot analysis of A431 and 293T cells using PRDX3 Polyclonal Antibody at dilution of 1:500

Immunogen Information

Immunogen	Recombinant Human Thioredoxin-dependent peroxide reductase, mitochondrial protein
Swissprot	P30048
Synonyms	Antioxidant protein 1, AOP 1, AOP1, HBC189, MER5, Peroxiredoxin 3, Peroxiredoxin III, PRDX3, PRO1748, Protein MER5 homolog, Prx III, PRX3, SP 22

Product Information

Calculated MW	28kDa
Observed MW	28 kDa
Buffer	PBS with 0.05% Proclin300 and 50% glycerol, pH7.4.
Purify	Affinity purification
Dilution	WB 1:500-1:2000

Background

This gene encodes a protein with antioxidant function and is localized in the mitochondrion. This gene shows significant nucleotide sequence similarity to the gene coding for the C22 subunit of Salmonella typhimurium alkylhydroperoxide reductase. Expression of this gene product in E. coli deficient in the C22-subunit gene rescued resistance of the bacteria to alkylhydroperoxide. The human and mouse genes are highly conserved, and they map to the regions syntenic between mouse and human chromosomes. Sequence comparisons with recently cloned mammalian homologues suggest that these genes consist of a family that is responsible for regulation of cellular proliferation, differentiation, and antioxidant functions. Two transcript variants encoding two different isoforms have been found for this gene.

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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.