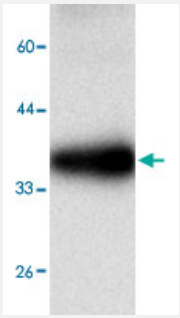
PRDX3 monoclonal antibody, clone 1

Catalog # MAB8831 Size 100 uL

Applications



Western Blot (Recombinant protein)

Western blot analysis in PRDX3 recombinant protein with PRDX3 monoclonal antibody, clone 9a560 (Cat # MAB8831) at 1 : 1000 dilution.

Specification

Product Description	Mouse monoclonal antibody raised against full length recombinant PRDX3.
Amount	100 uL
Immunogen	Recombinant protein corresponding to full length human PRDX3.
Host	Mouse
Reactivity	Human
Specificity	This antibody recognizes recombinant protein PRDX3.
Form	Liquid
Purification	Affinity purification
Concentration	1 ug/uL
Isotype	IgG1
Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.

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Storage Buffer	In citrate-Tris-HCl, pH7.0 (0.02% Proclin 300)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)

  Western blot analysis in PRDX3 recombinant protein with PRDX3 monoclonal antibody, clone 9a560 (Cat # MAB8831) at 1 : 1000 dilution.

Gene Info — PRDX3

Entrez GeneID	10935
Protein Accession#	NM_006793.2
Gene Name	PRDX3
Gene Alias	AOP-1, AOP1, MER5, MGC104387, MGC24293, PRO1748, SP-22
Gene Description	peroxiredoxin 3
Omim ID	604769
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein with antioxidant function and is localized in the mitochondrion. This g ene shows significant nucleotide sequence similarity to the gene coding for the C22 subunit of Sal monella typhimurium alkylhydroperoxide reductase. Expression of this gene product in E. coli defi cient in the C22-subunit gene rescued resistance of the bacteria to alkylhydroperoxide. The huma n and mouse genes are highly conserved, and they map to the regions syntenic between mouse a nd human chromosomes. Sequence comparisons with recently cloned mammalian homologues s uggest that these genes consist of a family that is responsible for regulation of cellular proliferatio n, differentiation, and antioxidant functions. Two transcript variants encoding two different isoform s have been found for this gene. [provided by RefSeq
Other Designations	OTTHUMP00000020590|antioxidant protein 1|thioredoxin-dependent peroxide reductase

Disease

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- Alzheimer disease
- Cognition
- Genetic Predisposition to Disease

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