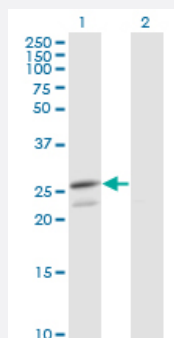


PRDX3 monoclonal antibody (M01), clone 1E3-B2

Catalog # H00010935-M01

Size 100 ug

Applications

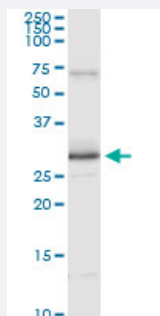


Western Blot (Transfected lysate)

Western Blot analysis of PRDX3 expression in transfected 293T cell line by PRDX3 monoclonal antibody (M01), clone 1E3-B2.

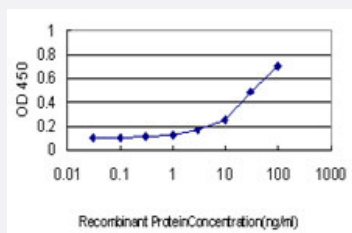
Lane 1: PRDX3 transfected lysate (Predicted MW: 27.7 kDa).

Lane 2: Non-transfected lysate.



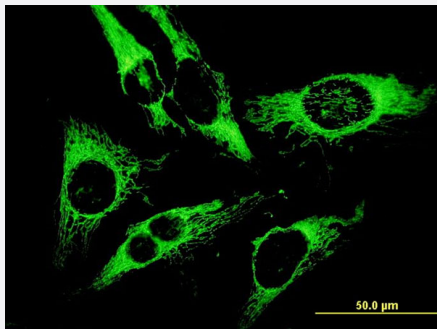
Immunoprecipitation

Immunoprecipitation of PRDX3 transfected lysate using anti-PRDX3 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with PRDX3 MaxPab rabbit polyclonal antibody.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PRDX3 is approximately 1ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to PRDX3 on HeLa cell . [antibody concentration 10 ug/ml]

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant PRDX3.
Immunogen	PRDX3 (AAH02685, 1 a.a. ~ 256 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAAAVGRLLRASVARHVSAPWGISATAALRPAACGRTSLTNLLCSGSSQAKLFSTSSSCHAPAV TQHAPYFKGTAVVNGEFKDLSDDFKGYLVFFYPLDFTFVCPTEIVAFSDKANEFHDVNCEVV AVSVDSHFSLAWINTPRKNGGLGHMNIALLSDLTKQISRQYGVLLGSGGLALRGLFIIDPNGVIKHL SVNDLPVGRSVEETLRLVKAFQYVETHGEVCPANWTPDSPTIKPSPAASKEYFQKVNQ
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (85); Rat (84)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of PRDX3 expression in transfected 293T cell line by PRDX3 monoclonal antibody (M01), clone 1E3-B2.

Lane 1: PRDX3 transfected lysate (Predicted MW: 27.7 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of PRDX3 transfected lysate using anti-PRDX3 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with PRDX3 MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PRDX3 is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to PRDX3 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — PRDX3

Entrez GeneID [10935](#)

GeneBank Accession# [BC002685](#)

Protein Accession# [AAH02685](#)

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 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. [provided by RefSeq]

Other Designations

OTTHUMP00000020590|antioxidant protein 1|thioredoxin-dependent peroxide reductase

Disease

- [Alzheimer disease](#)
- [Cognition](#)
- [Genetic Predisposition to Disease](#)