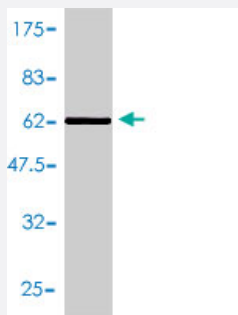


PRDX3 polyclonal antibody (A01)

Catalog # H00010935-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (54.27 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a full-length recombinant PRDX3.
Immunogen	PRDX3 (AAH02685, 1 a.a. ~ 256 a.a) full-length recombinant protein with GST tag.
Sequence	MAAAVGRLLRASVARHVSAIPWGISATAALRPAACGRTSLTNLLCSGSSQAKLFSTSSSCHAPAV TQHAPYFKGTAVVNGEFKDLSDDFKGYLVFFYPLDFTFVCPTEIVAFSDKANEFHDVNCEVV AVSVDSHFSLAWINTPRKNGGLGHMNIALLSDLTKQISRDYGVLLLEGSLALRGLFIIDPNGVIKHL SVNDLPVGRSVEETLRLVKAFQYVETHGEVCPANWTPDSPTIKPSPAASKEYFQKVNQ
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (85); Rat (84)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (54.27 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

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](#)