

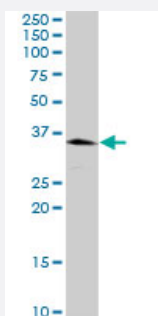
MaxPab®

PRDX3 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00010935-D01P

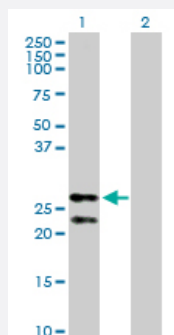
Size 100 ug

Applications



Western Blot (Tissue lysate)

PRDX3 MaxPab rabbit polyclonal antibody. Western Blot analysis of PRDX3 expression in mouse spleen.

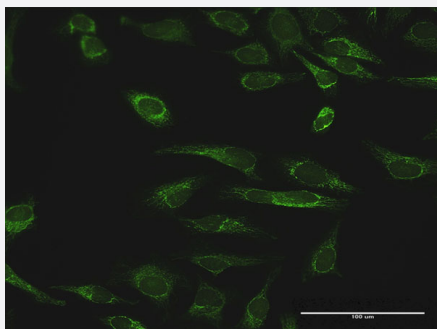


Western Blot (Transfected lysate)

Western Blot analysis of PRDX3 expression in transfected 293T cell line ([H00010935-T02](#)) by PRDX3 MaxPab polyclonal antibody.

Lane 1: PRDX3 transfected lysate(27.70 KDa).

Lane 2: Non-transfected lysate.



Immunofluorescence

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

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human PRDX3 protein.

| | |
|-------------------------------|--|
| Immunogen | PRDX3 (NP_006784.1, 1 a.a. ~ 256 a.a) full-length human protein. |
| Sequence | MAAAVGRLLRASVARHVSAPWGISATAALRPAACGRTSLTNLLCSGSSQAKLFSTSSSCHAPAV TQHAPYFKGTAVVNGEFKDLSDDFKGGKYLVLFFYPLDFTFVCPTEIVAFSDKANEFHDVNCEVV AVSVDSHFSLAWINTPRKNGGLGHMNIALLSDLTKQISRDIYGVLLLEGSGLALRGLFIIDPNGVIKHL SVNDLPVGRSVEETLRLVKAFQYVETHGEVCPANWTPDSPTIKPSPAASKEYFQKVNQ |
| Host | Rabbit |
| Reactivity | Human, Mouse |
| Interspecies Antigen Sequence | Mouse (85); Rat (84) |
| Quality Control Testing | Antibody reactive against mammalian transfected lysate. |
| 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 (Tissue lysate)

PRDX3 MaxPab rabbit polyclonal antibody. Western Blot analysis of PRDX3 expression in mouse spleen.

[Protocol Download](#)

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[Protocol Download](#)

- Immunofluorescence

Immunofluorescence of [purified](#) MaxPab antibody to PRDX3 on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — PRDX3

Entrez GeneID [10935](#)

GeneBank Accession# [NM_006793.2](#)

| | |
|--------------------|--|
| Protein Accession# | NP_006784.1 |
| 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 | <p>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]</p> |
| Other Designations | OTTHUMP00000020590 antioxidant protein 1 thioredoxin-dependent peroxide reductase |

Publication Reference

- [Vasectomy Induces Oxidative Stress and Up-regulates the Expression of Peroxiredoxins in Mouse Testis in Short and Early Period after Surgery.](#)

Liu J, Rong CT, Li Y, Liu XX, Wang WT, Li N.

The Journal of Urology 2014 Jun; 191(6):1920.

Application: WB-Ti, Mouse, Testes

Disease

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