

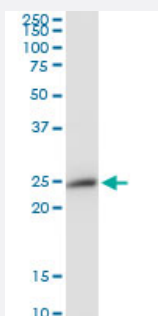
MaxPab®

# PRDX3 MaxPab mouse polyclonal antibody (B01)

Catalog # H00010935-B01

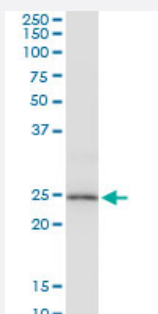
Size 50 uL

## Applications



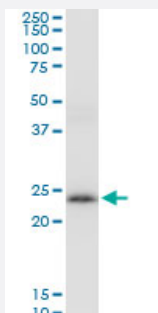
### Western Blot (Tissue lysate)

PRDX3 MaxPab polyclonal antibody. Western Blot analysis of PRDX3 expression in human kidney.



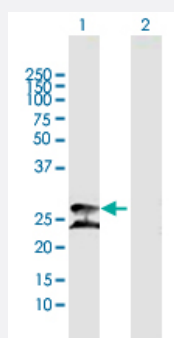
### Western Blot (Cell lysate)

PRDX3 MaxPab polyclonal antibody. Western Blot analysis of PRDX3 expression in A-431.



### Western Blot (Cell lysate)

PRDX3 MaxPab polyclonal antibody. Western Blot analysis of PRDX3 expression in A-549.

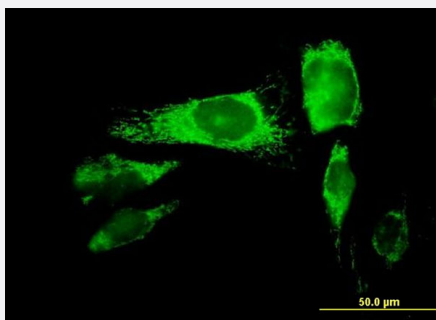


### Western Blot (Transfected lysate)

Western Blot analysis of PRDX3 expression in transfected 293T cell line ([H00010935-T01](#)) by PRDX3 MaxPab polyclonal antibody.

Lane 1: PRDX3 transfected lysate(28.16 KDa).

Lane 2: Non-transfected lysate.



## Immunofluorescence

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

## Specification

<b>Product Description</b>	Mouse polyclonal antibody raised against a full-length human PRDX3 protein.
<b>Immunogen</b>	PRDX3 (NP_006784.1, 1 a.a. ~ 256 a.a) full-length human protein.
<b>Sequence</b>	MAAAVGRLLRASVARHVSAPWGISATAALRPAACGRTSLNLLCSGSSQAKLFSTSSSCHAPAV TQHAPYFKGTAVVNGEFKDLSDDFKGKYLVLFFYPLDFTFVCPTIEIVAFSDKANEFHVDNCEVV AVSVDSHFSLAWINTPRKNGGLGHMNIALLSDLTKQISRDIYGVLLGSGLALRGLFIIDPNGVIKHL SVNDLPVGRSVEETLRLVKAFQYVETHGEVCPANWTPDSPTIKPSPAASKEYFQKVNQ
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Interspecies Antigen Sequence</b>	Mouse (85); Rat (84)
<b>Quality Control Testing</b>	Antibody reactive against mammalian transfected lysate.
<b>Storage Buffer</b>	No additive
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	For IHC and IF applications, antibody purification with Protein A will be needed prior to use.

## Applications

- Western Blot (Tissue lysate)

PRDX3 MaxPab polyclonal antibody. Western Blot analysis of PRDX3 expression in human kidney.

[Protocol Download](#)

- Western Blot (Cell lysate)

PRDX3 MaxPab polyclonal antibody. Western Blot analysis of PRDX3 expression in A-431.

[Protocol Download](#)

- Western Blot (Cell lysate)

PRDX3 MaxPab polyclonal antibody. Western Blot analysis of PRDX3 expression in A-549.

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- Western Blot (Transfected lysate)

Western Blot analysis of PRDX3 expression in transfected 293T cell line ([H00010935-T01](#)) by PRDX3 MaxPab polyclonal antibody.

Lane 1: PRDX3 transfected lysate(28.16 KDa).

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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**

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

**Publication Reference**

- [Glutathione-dependent and -independent oxidative stress-control mechanisms distinguish normal human mammary epithelial cell subsets.](#)

Kannan N, Nguyen LV, Makarewicz M, Dong Y, Shih K, Eirew P, Raouf A, Emerman JT, Eaves CJ.

PNAS 2014 May; 111(21):7789.

Application: WB-Ce, Human, Human mammary cells

**Disease**

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