

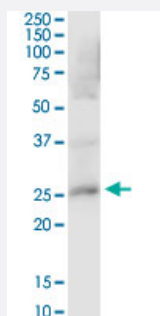
MaxPab®

## PRDX4 MaxPab mouse polyclonal antibody (B01)

Catalog # H00010549-B01

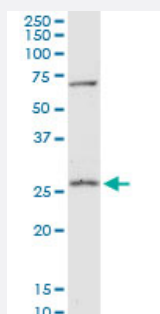
Size 50 uL

### Applications



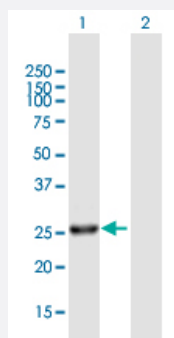
#### Western Blot (Tissue lysate)

PRDX4 MaxPab polyclonal antibody. Western Blot analysis of PRDX4 expression in human kidney.



#### Western Blot (Cell lysate)

PRDX4 MaxPab polyclonal antibody. Western Blot analysis of PRDX4 expression in HepG2.

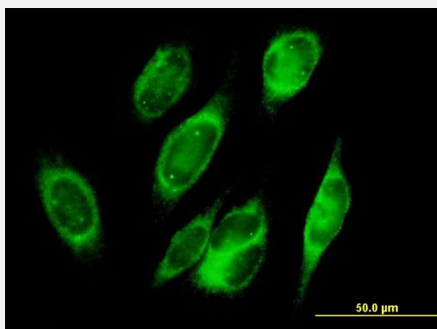


#### Western Blot (Transfected lysate)

Western Blot analysis of PRDX4 expression in transfected 293T cell line ([H00010549-T01](#)) by PRDX4 MaxPab polyclonal antibody.

Lane 1: PRDX4 transfected lysate(29.81 KDa).

Lane 2: Non-transfected lysate.



## Immunofluorescence

Immunofluorescence of purified MaxPab antibody to PRDX4 on HeLa cell.  
[antibody concentration 10 ug/ml]

## Specification

<b>Product Description</b>	Mouse polyclonal antibody raised against a full-length human PRDX4 protein.
<b>Immunogen</b>	PRDX4 (NP_006397, 1 a.a. ~ 271 a.a) full-length human protein.
<b>Sequence</b>	MEALPLLAATTPDHGRHRLLLPLLLFLLPAGAVQGWETEERPRTREEECHFYAGGQVYPGEA SRVSVADHSLHLSKAKISKAPYWEGTAVIDGEFKELKLTDIRGKYLVEFFYPLDFTFVCPTEIIAF GDRLEEFRSINTEVVACSVDSQFTHLAWINTPRRQGGLGPIRIPLLSDLTHQISKDYGVYLED SGHT LRGLFIIDDKGILRQITLNDLPVGRSVDETLRLVQAFQYTDKHGEVCPAGWKPGSETIIPDPAGKCLKY FDKLN
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Interspecies Antigen Sequence</b>	Mouse (89); Rat (90)
<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)

PRDX4 MaxPab polyclonal antibody. Western Blot analysis of PRDX4 expression in human kidney.

[Protocol Download](#)

- Western Blot (Cell lysate)

PRDX4 MaxPab polyclonal antibody. Western Blot analysis of PRDX4 expression in HepG2.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of PRDX4 expression in transfected 293T cell line ([H00010549-T01](#)) by PRDX4 MaxPab polyclonal antibody.

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- Immunofluorescence

Immunofluorescence of purified MaxPab antibody to PRDX4 on HeLa cell. [antibody concentration 10 ug/ml]

## Gene Info — PRDX4

Entrez GeneID [10549](#)

GeneBank Accession# [NM\\_006406](#)

Protein Accession# [NP\\_006397](#)

Gene Name PRDX4

Gene Alias AOE37-2, PRX-4

Gene Description peroxiredoxin 4

Omim ID [606506](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** The protein encoded by this gene is an antioxidant enzyme and belongs to the peroxiredoxin family. The protein is localized to the cytoplasm. Peroxidases of the peroxiredoxin family reduce hydrogen peroxide and alkyl hydroperoxides to water and alcohol with the use of reducing equivalents derived from thiol-containing donor molecules. This protein has been found to play a regulatory role in the activation of the transcription factor NF-kappaB. [provided by RefSeq]

**Other Designations** OTTHUMP00000023056|thioredoxin peroxidase|thioredoxin peroxidase (antioxidant enzyme)

## Disease

- [Alzheimer disease](#)
- [Cognition](#)