### Description
RABBIT ANTI PEROXIREDOXIN 4

### Specificity
PEROXIREDOXIN 4

### Format
Purified

### Product Type
PrecisionAb™ Polyclonal

### Isotype
Polyclonal IgG

### Quantity
100 µl

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### Applications
This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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</thead>
<tbody>
<tr>
<td>Western Blotting</td>
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<td>1/1000</td>
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**PrecisionAb antibodies have been extensively validated for the western blot application.** The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

### Target Species
Human

### Product Form
Purified IgG - liquid

### Preparation
Rabbit polyclonal antibody purified by affinity chromatography on immunogen

### Buffer Solution
Phosphate buffered saline

### Preservative
0.09% Sodium Azide

### Stabilisers
2% Sucrose

### Immunogen
Synthetic peptide corresponding to the N terminal region of human peroxiredoxin 4

#### External Database Links
- **UniProt:** [Q13162](http://www.uniprot.org/uniprot/Q13162)
- **Entrez Gene:** [10549](https://www.ncbi.nlm.nih.gov/gene/10549) PRDX4

#### Related reagents

### Specificity
**Rabbit anti Human peroxiredoxin 4 antibody** recognizes peroxiredoxin-4, also known as antioxidant enzyme AOE372, prx-IV, thioredoxin peroxidase (antioxidant enzyme), thioredoxin peroxidase AO372 and thioredoxin-dependent peroxide reductase A0372.

The protein encoded by PRDX4 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, Jul 2008).

Rabbit anti Human peroxiredoxin 4 antibody detects a band of 31 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

**Western Blotting**

- Anti peroxiredoxin 4 antibody recognizes a band of approximately 31 kDa in HEK293 cell lysates.

**Instructions For Use**

- Please refer to the [PrecisionAb western blotting protocol](https://www.bio-rad-antibodies.com/uploads/MSDS/10045.pdf). For additional information on secondary antibody dilution and exposure time see product web page.

**Storage**

- Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

**Guarantee**

- As supplied, 12 months from date of despatch.

**Acknowledgements**

- PrecisionAb™ is a trademark of Bio-Rad Laboratories.

**Health And Safety Information**


**Regulatory**

- For research purposes only.

**Related Products**

**Recommended Secondary Antibodies**

- Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](https://www.bio-rad-antibodies.com/uploads/MSDS/10045.pdf)