

## Datasheet: VPA00056

<b>Description:</b>	GOAT ANTI PEROXIREDOXIN 1 ANTIBODY
<b>Specificity:</b>	PEROXIREDOXIN 1
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Polyclonal
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	100 µl

## Product Details

### 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).

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

**The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range.** 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

### Species Cross Reactivity

Reacts with: Mouse, Rat

**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

### Product Form

Purified IgG - liquid

### Preparation

Goat polyclonal antibody purified by affinity chromatography.

### Buffer Solution

TRIS buffered saline.

### Preservative Stabilisers

0.02% Sodium Azide (NaN<sub>3</sub>)  
0.5% Bovine Serum Albumin

### Immunogen

Peptide with sequence C-SDPKRTIAQDYG from the internal region of the protein sequence.

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**External Database****Links****UniProt:**[Q06830](#)   [Related reagents](#)**Entrez Gene:**[5052](#)   PRDX1   [Related reagents](#)

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**Synonyms**

PAGA, PAGB, TDPX2

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**Specificity**

**Goat anti Human peroxiredoxin 1 antibody** recognizes PRDX1 a 22 kDa protein and a member of the peroxiredoxin family of antioxidant enzymes. Members of the family are divided into the 1-Cys and 2-Cys groups based on the number of conserved residues used in the redox reaction. Peroxiredoxins reduce hydrogen peroxides and alkyl hydroperoxides and thus exert an anti-oxidant effect.

Goat anti Human peroxiredoxin 1 antibody detects peroxiredoxin 1 as a single band of 22 kDa in a wide range of human cell line lysates tested. Cross reactivity with rodent cell lines is also observed.

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**Western Blotting**

Goat anti peroxiredoxin 1 detects a band of approximately 22 kDa in K562 cell lysates.

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**Storage**

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

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**Guarantee**

12 months from date of despatch.

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**Acknowledgements**

PrecisionAb is a trademark of Bio-Rad Laboratories.

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**Health And Safety Information**

Material Safety Datasheet documentation #10058 available at:  
<https://www.bio-rad-antibodies.com/SDS/VPA00056>  
Antibody (10058)

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**Regulatory**

For research purposes only.

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## Related Products

### Recommended Secondary Antibodies

Donkey Anti Sheep IgG (STAR88...) [HRP](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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