

## Datasheet: VPA00056KT

<b>Description:</b>	PEROXIREDOXIN 1 ANTIBODY WITH CONTROL LYSATE
<b>Specificity:</b>	PEROXIREDOXIN 1
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Polyclonal
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	2 Westerns

## 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

**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 dependant 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

20µl 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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**Instructions For Use**

Please refer to the [PrecisionAb western blotting protocol](#). For additional information on secondary antibody dilution and exposure time see product web page.

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**Lysate Composition**

400µg K562 lysate lyophilized in RIPA buffer.

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**Lysate Reconstitution**

- If using DDT reconstitute the lyophilized lysate with 190µl DI H<sub>2</sub>O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.

- If using BME reconstitute the lyophilized lysate with 180µl DI H<sub>2</sub>O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.

Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.

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**Storage**

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

Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.

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**Guarantee**

As supplied, 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 #10561 available at:

Antibody (10058): <https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf>

Lysate Material (10561): <https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf>

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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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Look out for updates on how to access your digital version at [bio-rad-antibodies.com](http://bio-rad-antibodies.com)

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