

## Datasheet: VPA00330

<b>Description:</b>	RABBIT ANTI PEROXIREDOXIN 2
<b>Specificity:</b>	PEROXIREDOXIN 2
<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.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Reacts with: Mouse <b>N.B.</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.
<b>Product Form</b>	Ig fraction - liquid
<b>Preparation</b>	Rabbit Ig fraction prepared by ammonium sulphate precipitation.
<b>Buffer Solution</b>	Phosphate buffered saline.
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> ).
<b>Immunogen</b>	KLH-conjugated synthetic peptide corresponding to aa 169-198 of human peroxiredoxin 2

**External Database  
Links**

**UniProt:**

[P32119](#)   [Related reagents](#)

**Entrez Gene:**

[7001](#)   PRDX2   [Related reagents](#)

---

**Synonyms**

NKEFB, TDPX1

---

**Specificity**

**Rabbit anti Human peroxiredoxin 2 antibody** recognizes peroxiredoxin 2, also known as epididymis secretory sperm binding protein Li 2a, natural killer cell-enhancing factor B, thiol-specific antioxidant 1, thioredoxin peroxidase 1, thioredoxin-dependent peroxide reductase 1 and torin.

Peroxiredoxin 2 is member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. This protein plays an antioxidant protective role in cells, and it may contribute to the antiviral activity of CD8(+) T-cells. The crystal structure of the protein has been resolved to 2.7 angstroms. This protein prevents hemolytic anemia from oxidative stress by stabilizing hemoglobin, thus making Peroxiredoxin 2 a therapeutic target for patients with hemolytic anemia. This protein may have a proliferative effect and play a role in cancer development or progression. Related pseudogenes have been identified on chromosomes 5, 6, 10 and 13 (provided by RefSeq, Mar 2013).

Rabbit anti Human peroxiredoxin 2 antibody detects a band of 22 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

---

**Western Blotting**

Anti peroxiredoxin 2 detects a band of approximately 22 kDa in LNCaP cell lysate.

---

**Storage**

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

---

**Guarantee**

12 months from date of despatch.

---

**Acknowledgements**

PrecisionAb is a trademark of Bio-Rad Laboratories.

---

**Health And Safety  
Information**

Material Safety Datasheet documentation #10040 available at:  
Antibody (10040): <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

---

**Regulatory**

For research purposes only.

---

## Related Products

### Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

**North & South  
America**

Tel: +1 800 265 7376

Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)  
'M401273:220714'

**Printed on 14 Jul 2022**

---

© 2022 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)