

Datasheet: VPA00330

BATCH NUMBER 160309

Description:	RABBIT ANTI PEROXIREDOXIN 2
Specificity:	PEROXIREDOXIN 2
Format:	Purified
Product Type:	PrecisionAb Polyclonal
Isotype:	Polyclonal IgG
Quantity:	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.

	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

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

Ig fraction - liquid

Preparation

Rabbit Ig fraction prepared by ammonium sulphate precipitation

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN₃)

Immunogen 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: <https://www.bio-rad-antibodies.com/SDS/VPA00330>
Antibody (10040)

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

North & South Tel: +1 800 265 7376

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Tel: +44 (0)1865 852 700

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batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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