

Datasheet: VPA00875

BATCH NUMBER 170801

Description:	RABBIT ANTI PEROXIREDOXIN 4
Specificity:	PEROXIREDOXIN 4
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
Product Form	Purified IgG - liquid
Preparation	Rabbit polyclonal antibody purified by affinity chromatography on immunogen
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide 2% Sucrose
Immunogen	Synthetic peptide corresponding to the N terminal region of human peroxiredoxin 4
External Database Links	UniProt: Q13162 Related reagents

Entrez Gene:[10549](#) PRDX4 [Related reagents](#)

Specificity	<p>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.</p> <p>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).</p> <p>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.</p>
Western Blotting	Anti peroxiredoxin 4 antibody recognizes a band of approximately 31 kDa in HEK293 cell lysates
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 #10045 available at: https://www.bio-rad-antibodies.com/SDS/VPA00875 Antibody (10045)
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**America** Fax: +1 919 878 3751Email: antibody_sales_us@bio-rad.com**Worldwide**

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