

Datasheet: VPA00056

BATCH NUMBER 091014

Description:	GOAT ANTI PEROXIREDOXIN 1 ANTIBODY
Specificity:	PEROXIREDOXIN 1
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, 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 (NaN₃)

0.5% Bovine Serum Albumin

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

External Database Links

UniProt:

[Q06830](#) [Related reagents](#)

Entrez Gene:

[5052](#) PRDX1 [Related reagents](#)

Synonyms PAGA, PAGB, TDPX2

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.

Western Blotting Goat anti peroxiredoxin 1 detects a band of approximately 22 kDa in K562 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 #10058 available at: <https://www.bio-rad-antibodies.com/SDS/VPA00056>
Antibody (10058)

Regulatory For research purposes only

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)

'M370460:200529'

Printed on 25 Mar 2023
