

Datasheet: VMA00583

BATCH NUMBER 161202

Description:	MOUSE ANTI PEROXIREDOXIN 6
Specificity:	PEROXIREDOXIN 6
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	4A3
Isotype:	IgG2b
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	Purified IgG - liquid.
Preparation	Mouse monoclonal antibody purified by affinity chromatography on Protein G from ascites.
Buffer Solution	HEPES buffered saline.
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin

<50% Glycerol

Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
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Immunogen	<i>E. coli</i> -derived recombinant human peroxiredoxin 6
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External Database Links	UniProt: P30041 Related reagents
	Entrez Gene: 9588 PRDX6 Related reagents

Synonyms	AOP2, KIAA0106
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Specificity	<p>Mouse anti Human peroxiredoxin 6 antibody recognizes peroxiredoxin 6, also known as 1-Cys PRX, 1-Cys peroxiredoxin, acidic calcium-independent phospholipase A2, PRDX6 or non-selenium glutathione peroxidase.</p> <p>The protein encoded by PRDX6 gene is a member of the thiol-specific antioxidant protein family. This protein is a bifunctional enzyme with two distinct active sites. It is involved in redox regulation of the cell; it can reduce H₂O₂ and short chain organic, fatty acid, and phospholipid hydroperoxides. It may play a role in the regulation of phospholipid turnover as well as in protection against oxidative injury (provided by RefSeq, Jul 2008).</p> <p>Mouse anti Human peroxiredoxin 6 antibody detects a band of 25 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
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Western Blotting	Anti peroxiredoxin 6 detects a band of approximately 25 kDa in HeLa cell lysates.
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Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
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Guarantee	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 #20359 available at: https://www.bio-rad-antibodies.com/SDS/VMA00583 Antibody (20359)
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Regulatory	For research purposes only.
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Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL \(MCA691\)](#)

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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

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