

## Datasheet: VMA00583

<b>Description:</b>	MOUSE ANTI PEROXIREDOXIN 6
<b>Specificity:</b>	PEROXIREDOXIN 6
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb™ Monoclonal
<b>Isotype:</b>	IgG2b
<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

**PrecisionAb antibodies have been extensively [validated for the western blot application](#).** The antibody has been validated at the suggested dilution. 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 dependant 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.
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Mouse monoclonal antibody purified by affinity chromatography on Protein G from ascites
<b>Buffer Solution</b>	HEPES buffered saline
<b>Preservative</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Stabilisers</b>	1% Bovine Serum Albumin <50% Glycerol
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human peroxiredoxin 6
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P30041</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">9588</a>   PRDX6   <a href="#">Related reagents</a></p>
<b>Synonyms</b>	AOP2, KIAA0106

<b>Specificity</b>	<p><b>Mouse anti Human peroxiredoxin 6 antibody</b> 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 H<sub>2</sub>O<sub>2</sub> 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>
<b>Western Blotting</b>	Anti peroxiredoxin 6 detects a band of approximately 25 kDa in HeLa cell lysates
<b>Instructions For Use</b>	Please refer to the <a href="#">PrecisionAb western blotting protocol</a> . For additional information on secondary antibody dilution and exposure time see product web page.
<b>Storage</b>	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
<b>Shelf Life</b>	As supplied, 12 months from date of despatch.
<b>Acknowledgements</b>	PrecisionAb™ is a trademark of Bio-Rad Laboratories.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #20359 available at: Antibody (20359): <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/20359.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/20359.pdf</a>
<b>Regulatory</b>	For research purposes only

## 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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