

Datasheet: VMA00582

BATCH NUMBER 161202

Description:	MOUSE ANTI PEROXIREDOXIN 5
Specificity:	PEROXIREDOXIN 5
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Isotype:	IgG2a
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: 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

Mouse monoclonal antibody purified by affinity chromatography on Protein G from ascites

Buffer Solution

HEPES buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN₃)
1% Bovine Serum Albumin

<50% Glycerol

Immunogen *E. coli*-derived recombinant human peroxiredoxin 5

External Database Links

UniProt:

[P30044](#) [Related reagents](#)

Entrez Gene:

[25824](#) PRDX5 [Related reagents](#)

Synonyms ACR1

Specificity **Mouse anti Human peroxiredoxin 5 antibody** recognizes peroxiredoxin 5, mitochondrial, also known as Alu co-repressor 1, epididymis secretory protein Li 55, peroxisomal antioxidant enzyme or thioredoxin reductase.

The PRDX5 gene encodes a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. The encoded protein may play an antioxidant protective role in different tissues under normal conditions and during inflammatory processes. This protein interacts with peroxisome receptor 1. The crystal structure of this protein in its reduced form has been resolved to 1.5 angstrom resolution. PRDX5 uses alternate in-frame translation initiation sites to generate mitochondrial or peroxisomal/cytoplasmic forms. Three transcript variants encoding distinct isoforms have been identified for PRDX5 (provided by RefSeq, Jul 2008).

Mouse anti Human peroxiredoxin 5 antibody detects a band of 17 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting Anti peroxiredoxin 5 detects a band of approximately 17 kDa in HeLa 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 #20359 available at: <https://www.bio-rad-antibodies.com/SDS/VMA00582> Antibody (20359)

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

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

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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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