

Datasheet: VPA00448

BATCH NUMBER 160712

Description:	RABBIT ANTI MFN2
Specificity:	MFN2
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.
Buffer Solution	Phosphate buffered saline.
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃).
Immunogen	KLH conjugated synthetic peptide corresponding to amino acid 447-476 of human MFN2
External Database Links	UniProt: Q95140 Related reagents

Entrez Gene:[9927](#) MFN2 [Related reagents](#)**Synonyms**

CPRP1, KIAA0214

Specificity

Rabbit anti Human MFN2 antibody recognizes MFN2, also known as hyperplasia suppressor, mitochondrial assembly regulatory factor or transmembrane GTPase MFN2.

The MFN2 gene encodes a mitochondrial membrane protein that participates in mitochondrial fusion and contributes to the maintenance and operation of the mitochondrial network. This protein is involved in the regulation of vascular smooth muscle cell proliferation, and it may play a role in the pathophysiology of obesity. Mutations in MFN2 gene cause Charcot-Marie-Tooth disease type 2A2 ([CMT2A2](#)), and hereditary motor and sensory neuropathy VI ([HMSN6A](#)), which are both disorders of the peripheral nervous system. Defects in MFN2 have also been associated with early-onset stroke ([Chung et al. 2008](#)). Two transcript variants encoding the same protein have been identified. (provided by RefSeq, Jul 2008).

Rabbit anti Human MFN2 antibody detects a band of 80 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting

Anti MFN2 detects a band of approximately 80 kDa in Ramos 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 #10040 available at:
<https://www.bio-rad-antibodies.com/SDS/VPA00448>
Antibody (10040)

Regulatory

For research purposes only.

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)**North & South America**

Tel: +1 800 265 7376

Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com**Worldwide**

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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)
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