

Datasheet: VMA00967

Description:	MOUSE ANTI LRPPRC
Specificity:	LRPPRC
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	AB02/2F11
Isotype:	IgG1
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
Immunoprecipitation	▪			
Western Blotting	▪			1/10000

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	Mouse monoclonal antibody affinity purified on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<i>E. coli</i> -derived recombinant protein of amino acids 611-907 of human LRPPRC

**External Database
Links**

UniProt:

[P42704](#) [Related reagents](#)

Entrez Gene:

[10128](#) LRPPRC [Related reagents](#)

Synonyms

LRP130

Fusion Partners

Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line

Specificity

Mouse anti LRPPRC antibody recognizes leucine-rich PPR motif-containing protein, mitochondrial, also known as LRP130. LRPPRC is a member of the pentatricopeptide repeat (PPR) family, a group of proteins which play major roles in RNA stability, regulation, processing, splicing, translation, and editing. LRPPRC is a multifunctional protein involved with mitochondrial gene expression and function, cell cycle progression, and tumorigenesis ([Li et al. 2014](#)). It can be found localized to the nuclear membrane, nucleoplasm, endoplasmic reticulum, cytoskeleton, and mitochondria, and carries out its roles by direct or indirect interaction with other proteins ([Cui et al. 2019](#)). LRPPRC has been found to be overexpressed in a variety of human cancers including lung adenocarcinoma, oesophageal squamous cell carcinoma, stomach, colon, mammary and endometrial adenocarcinoma, and lymphoma. These findings are consistent with observations that LRPPRC can suppress autophagy and mitophagy ([Jiang et al. 2014](#)).

Western Blotting

Mouse anti LRPPRC detects a band of approximately 146 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 #10040 available at:
<https://www.bio-rad-antibodies.com/SDS/VMA00967>
Antibody (10040)

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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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

'M429326:240410'

Printed on 10 Apr 2024
