

Datasheet: VMA00272

Description:	MOUSE ANTI RPN1
Specificity:	RPN1
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	OTI5B1
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	▪			1/1000

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	Mouse monoclonal antibody purified by affinity chromatography from ascites.
Buffer Solution	Phosphate 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.
Immunogen	Full length recombinant human RPN1 (NP_002941) produced in HEK293T cells

**External Database
Links**

UniProt:

[P04843](#) [Related reagents](#)

Entrez Gene:

[6184](#) RPN1 [Related reagents](#)

Specificity

Mouse anti Human RPN1 antibody, clone OTI5B1 recognizes ribophorin-1, also known as dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1, dolichyl-diphosphooligosaccharide--protein glycosyltransferase 67 kDa subunit, dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1, oligosaccharyltransferase 1 homolog and oligosaccharyltransferase complex subunit (non-catalytic).

Encoded by the RPN1 gene, ribophorin-1 encodes is a type I integral membrane protein found only in the rough endoplasmic reticulum. The encoded protein is part of an N-oligosaccharyl transferase complex that links high mannose oligosaccharides to asparagine residues found in the Asn-X-Ser/Thr consensus motif of nascent polypeptide chains. This protein forms part of the regulatory subunit of the 26S proteasome and may mediate binding of ubiquitin-like domains to this proteasome (provided by RefSeq, Jul 2008).

Mouse anti Human RPN1 antibody, clone OTI5B1 detects a band of 69 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting

Anti RPN1 detects a band of approximately 69 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 #10048 available at:
<https://www.bio-rad-antibodies.com/SDS/VMA00272>
Antibody (10048)

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

'M397900:220621'

Printed on 18 Jan 2024
