

Datasheet: VMA00272

**BATCH NUMBER 151112**

<b>Description:</b>	MOUSE ANTI RPN1
<b>Specificity:</b>	RPN1
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	OTI5B1
<b>Isotype:</b>	IgG1
<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
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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Mouse monoclonal antibody purified by affinity chromatography from ascites
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> ) 1% Bovine Serum Albumin 50% Glycerol
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5 mg/ml

**Immunogen** Full length recombinant human RPN1 (NP\_002941) produced in HEK293T cells

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**External Database**

**Links**

**UniProt:**

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

**Entrez Gene:**

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

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**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.

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**Western Blotting** Anti RPN1 detects a band of approximately 69 kDa in K562 cell lysates

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**Storage** Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

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**Guarantee** 12 months from date of despatch

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**Acknowledgements** PrecisionAb is a trademark of Bio-Rad Laboratories.

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**Health And Safety Information** Material Safety Datasheet documentation #10048 available at: <https://www.bio-rad-antibodies.com/SDS/VMA00272>  
Antibody (10048)

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

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

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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://bio-rad-antibodies.com/datasheets)

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