

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
Western Blotting	▪			1/1000

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. 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 dependant 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	0.09% Sodium Azide (NaN ₃)
Stabilisers	1% Bovine Serum Albumin 50% Glycerol
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 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 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
Instructions For Use	Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Shelf Life	As supplied, 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: Antibody (10048): https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf
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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'M284578:160321'

Printed on 01 May 2018

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