

Datasheet for ABIN2778826
anti-RPN1 antibody (N-Term)



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2 Images

1 Publication

Overview

Quantity:	100 µL
Target:	RPN1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Horse, Rabbit, Guinea Pig, Zebrafish (Danio rerio), Pig, Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RPN1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human RPN1
Sequence:	TSRATSFLLA LEPELEARLA HLGVQVKGED EEENNLEVRE TKIKGKSGRF
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 93%, Pig: 100%, Rabbit: 100%, Rat: 93%, Yeast: 100%, Zebrafish: 80%
Characteristics:	This is a rabbit polyclonal antibody against RPN1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	RPN1
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Target Details

Alternative Name: [RPN1 \(RPN1 Products\)](#)

Background: RPN1 is a type I integral membrane protein found only in the rough endoplasmic reticulum. It 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. RPN1 forms part of the regulatory subunit of the 26S proteasome and may mediate binding of ubiquitin-like domains to this proteasome. This gene encodes 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

Alias Symbols: DKFZp686B16177, OST1, RBPH1

Protein Interaction Partner: UBQLN1, UBC, SGTA, SUMO3, STAU1, LGR4, SUMO1, NEDD8, MDM2, ASB5, ASB11, BMI1, EED, RNF2, EGFR, ADRB2, CLN5, CLN3, AMFR, OST4, MMS19, env, UBL4A, WHSC1, VCAM1, FN1, ATF2, VCP, ESR1, ECT2, STT3B, SND1, SYNCRIP, TECR, VDAC2, SSR3, RPN2, RPSA, ILF3, SLC25A5,

Protein Size: 607

Molecular Weight: 69 kDa

Gene ID: 6184

NCBI Accession: [NM_002950](#), [NP_002941](#)

UniProt: [P04843](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 607 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Handling

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	Ewing, Chu, Elisma, Li, Taylor, Climie, McBroom-Cerajewski, Robinson, OConnor, Li, Taylor, Dharsee, Ho, Heilbut, Moore, Zhang, Ornatsky, Bukhman, Ethier, Sheng, Vasilescu, Abu-Farha, Lambert, Duewel et al.: "Large-scale mapping of human protein-protein interactions by mass spectrometry. ..." in: Molecular systems biology , Vol. 3, pp. 89, (2007) (PubMed).
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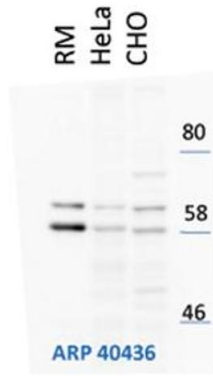
Images



Western Blotting

Image 1. WB Suggested Anti-RPN1 Antibody Titration: 1 ug/ml Positive Control: HeLa and CHO-K1 cell lines, rouch canine microsomes

RPN1



See Immunoblot 2 Data and Customer Feedback tab for more information.

Western Blotting

Image 2. WB Suggested Anti-RPN1 Antibody Titration: 1 $\mu\text{g}/\text{mL}$ Positive Control: HeLa and CHO-K1 cell lines, rough canine microsomes