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RPN1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16998b

Specification

RPN1 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	P04843
Other Accession	P07153, Q9GMB0, Q4R4T0, NP_002941.1
Reactivity	**Human**
Predicted	**Monkey, Pig, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**68569**
Antigen Region	**559-587**

RPN1 Antibody (C-term) - Additional Information

Gene ID 6184

Other Names
Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1, Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 67 kDa subunit, Ribophorin I, RPN-I, Ribophorin-1, RPN1

Target/Specificity
This RPN1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 559-587 amino acids from the C-terminal region of human RPN1.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
RPN1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

RPN1 Antibody (C-term) - Protein Information

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Name RPN1 (HGNC:10381)

Function Subunit of the oligosaccharyl transferase (OST) complex that catalyzes the initial transfer of a defined glycan (Glc(3)Man(9)GlcNAc(2) in eukaryotes) from the lipid carrier dolichol-pyrophosphate to an asparagine residue within an Asn-X-Ser/Thr consensus motif in nascent polypeptide chains, the first step in protein N-glycosylation (PubMed:31831667). N-glycosylation occurs cotranslationally and the complex associates with the Sec61 complex at the channel-forming translocon complex that mediates protein translocation across the endoplasmic reticulum (ER). All subunits are required for a maximal enzyme activity (By similarity).

Cellular Location
Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:E2RQ08}; Single-pass type I membrane protein {ECO:0000250|UniProtKB:E2RQ08}. Melanosome Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

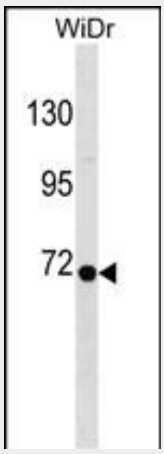
Tissue Location
Expressed in all tissues tested.

RPN1 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RPN1 Antibody (C-term) - Images



RPN1 Antibody (C-term) (Cat. #AP16998b) western blot analysis in WiDr cell line lysates (35ug/lane).This demonstrates the RPN1 antibody detected the RPN1 protein (arrow).

RPN1 Antibody (C-term) - Background

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.

RPN1 Antibody (C-term) - References

Ruiz-Canada, C., et al. Cell 136(2):272-283(2009)
Wang, L., et al. Cancer Epidemiol. Biomarkers Prev. 17(12):3558-3566(2008)
Wilson, C.M., et al. Proc. Natl. Acad. Sci. U.S.A. 105(28):9534-9539(2008)
Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :
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