

# Ribophorin 2 (RPN2) Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP2410a

## Product Information

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<b>Application</b>	IHC-P, E
<b>Primary Accession</b>	<a href="#">P04844</a>
<b>Other Accession</b>	<a href="#">P25235</a> , <a href="#">Q9GL01</a> , <a href="#">Q3SZI6</a> , <a href="#">NP_002942</a>
<b>Reactivity</b>	Human
<b>Predicted</b>	Bovine, Pig, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB4833
<b>Calculated MW</b>	69284
<b>Antigen Region</b>	16-46

## Additional Information

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<b>Gene ID</b>	6185
<b>Other Names</b>	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 2, Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 63 kDa subunit, RIBIIR, Ribophorin II, RPN-II, Ribophorin-2, RPN2
<b>Target/Specificity</b>	This Ribophorin 2 (RPN2) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 16-46 amino acids from the N-terminal region of human Ribophorin 2 (RPN2).
<b>Dilution</b>	IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
<b>Storage</b>	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.
<b>Precautions</b>	Ribophorin 2 (RPN2) Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	RPN2 ( <a href="#">HGNC:10382</a> )
<b>Function</b>	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.

**Cellular Location** Endoplasmic reticulum {ECO:0000250|UniProtKB:F1PCT7}. Endoplasmic reticulum membrane; Multi- pass membrane protein

**Tissue Location** Expressed in all tissues tested.

## Background

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RNP2 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 is similar in sequence to the yeast oligosaccharyl transferase subunit SWP1.

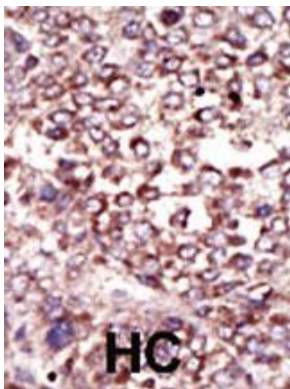
## References

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Kelleher, D.J., et al., Mol. Cell 12(1):101-111 (2003). Fu, J., et al., J. Biol. Chem. 275(6):3984-3990 (2000). Loffler, C., et al., Hum. Genet. 87(2):221-222 (1991). Crimando, C., et al., EMBO J. 6(1):75-82 (1987). Stoffel, M., et al., Hum. Mol. Genet. 1 (8), 656 (1992).

## Images

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Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.