

RPN1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP16998b**Specification**

RPN1 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [P04843](#)**RPN1 Antibody (C-term) Blocking Peptide - 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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

RPN1 Antibody (C-term) Blocking Peptide - Protein Information**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.

Cellular Location

Endoplasmic reticulum {ECO:0000250|UniProtKB:E2RQ08, ECO:0000250|UniProtKB:Q9GMB0}
Endoplasmic reticulum membrane; Single-pass type I membrane protein. 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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RPN1 Antibody (C-term) Blocking Peptide - Images

RPN1 Antibody (C-term) Blocking Peptide - 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 highmannose 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) Blocking Peptide - 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) :Chi, A., et al. J. Proteome Res. 5(11):3135-3144(2006)