

KD-Validated Anti-Ribophorin I Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1651

Product Information

Application	WB, FC
Primary Accession	P04843
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	24GB1090
Calculated MW	68569
Gene Name	RPN1
Aliases	Ribophorin I; OST1; Dolichyl-Diphosphooligosaccharide--Protein Glycosyltransferase Subunit 1; Oligosaccharyltransferase Complex Subunit (Non-Catalytic); Ribophorin-1; RPN-I; Dolichyl-Diphosphooligosaccharide--Protein Glycosyltransferase 67 KDa Subunit; Dolichyl-Diphosphooligosaccharide-Protein Glycosyltransferase 67 KDa Subunit; Oligosaccharyltransferase 1 Homolog (S. Cerevisiae); Oligosaccharyltransferase 1 Homolog; EC 2.4.1.119; RBPH1
Immunogen	A synthesized peptide derived from human PRibophorin I

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 (HGNC:10381)

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 (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.

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