

IHCeasy[®] Ribophorin I Ready-To-Use IHC Kit

Catalog Number: **KHC3169**

General Information

Sample type:
FFPE tissue

Cited sample type:

Reactivity:
Human, Mouse, Rat

Cited Reactivity:

Assay type:
Immunohistochemistry

Primary antibody type:
Rabbit Recombinant

Secondary antibody type:
Polymer-HRP-Goat anti-Rabbit

Kit Component

Component	Size	Concentration
Antigen Retrieval Buffer	100 mL	50×
Washing Buffer	100 mL ×2	20×
Blocking Buffer	5 mL	RTU
Primary Antibody	5 mL	RTU
Secondary Antibody	5 mL	RTU
Chromogen Component A	0.2 mL	RTU
Chromogen Component B	4 mL	RTU
Signal Enhancer	5 mL	RTU
Counter Staining Reagent	5 mL	RTU
Mounting Media	5 mL	RTU
Control Slide	1 slide (Optional)	FFPE
Datasheet	1 Copy	
Manual	1 Copy	

Storage Instructions

All the reagents are stored at 2-8°C. The kit is stable for 6 months from the date of receipt.

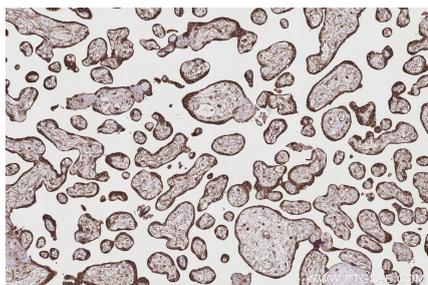
Background

Ribophorin I, also named as RPN1, is a key protein component of the oligosaccharyltransferase (OST) complex, which is embedded in the membrane of the rough endoplasmic reticulum (RER). It plays a crucial role in the process of N-linked glycosylation, a post-translational modification essential for the proper folding, stability, and function of many secretory and membrane-bound proteins. Ribophorin I, along with Ribophorin II, forms a heterodimeric complex that facilitates the transfer of oligosaccharides from a lipid-linked donor to specific asparagine residues on nascent polypeptide chains.

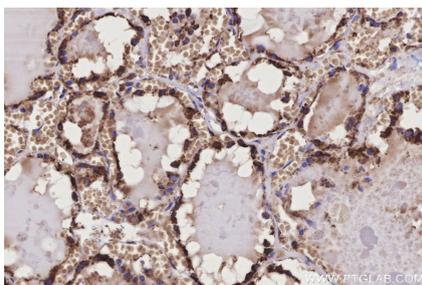
Synonyms

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

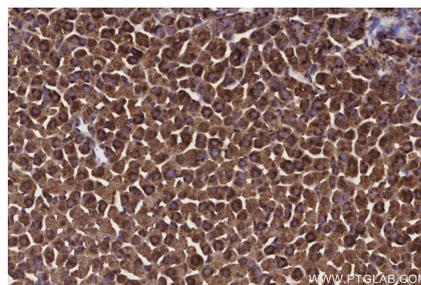
Selected Validation Data



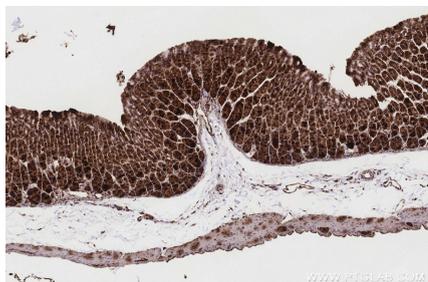
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using KHC3169 (Ribophorin I IHC Kit).



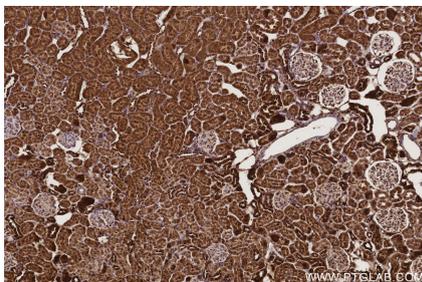
Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using KHC3169 (Ribophorin I IHC Kit).



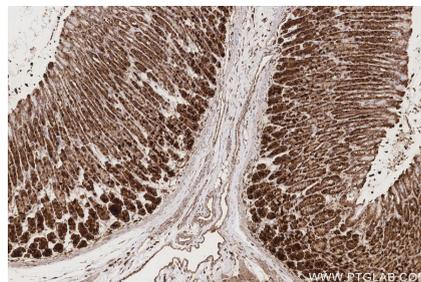
Immunohistochemical analysis of paraffin-embedded mouse adrenal gland tissue slide using KHC3169 (Ribophorin I IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse stomach tissue slide using KHC3169 (Ribophorin I IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using KHC3169 (Ribophorin I IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat stomach tissue slide using KHC3169 (Ribophorin I IHC Kit).