

RFT1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP10088b

Product Information

Application	WB, IHC-P, E
Primary Accession	Q96AA3
Other Accession	NP_443091.1
Reactivity	Human
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB27788
Calculated MW	60335
Antigen Region	513-541

Additional Information

Gene ID	91869
Other Names	Protein RFT1 homolog, RFT1
Target/Specificity	This RFT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 513-541 amino acids from the C-terminal region of human RFT1.
Dilution	WB~~1:1000 IHC-P~~1:100~500 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	RFT1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

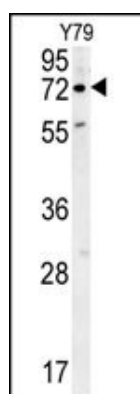
Name	RFT1 (HGNC:30220)
Function	Intramembrane glycolipid transporter that operates in the biosynthetic pathway of dolichol-linked oligosaccharides, the glycan precursors employed in protein asparagine (N)-glycosylation. The sequential addition of sugars to

dolichol pyrophosphate produces dolichol-linked oligosaccharides containing fourteen sugars, including two GlcNAcs, nine mannoses and three glucoses. Once assembled, the oligosaccharide is transferred from the lipid to nascent proteins by oligosaccharyltransferases. The assembly of dolichol-linked oligosaccharides begins on the cytosolic side of the endoplasmic reticulum membrane and finishes in its lumen. RFT1 could mediate the translocation of the cytosolically oriented intermediate DolPP- GlcNAc2Man5, produced by ALG11, into the ER lumen where dolichol-linked oligosaccharides assembly continues (PubMed:[18313027](#), PubMed:[19701946](#)). However, the intramembrane lipid transporter activity could not be confirmed in vitro (By similarity).

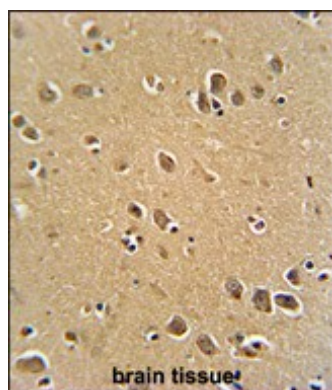
Cellular Location

Endoplasmic reticulum membrane {ECO:0000250 | UniProtKB:P38206};
Multi-pass membrane protein

Images



RFT1 Antibody (C-term) (Cat. #AP10088b) western blot analysis in Y79 cell line lysates (35ug/lane). This demonstrates the RFT1 antibody detected the RFT1 protein (arrow).



RFT1 antibody (C-term) (Cat. #AP10088b) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the RFT1 antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

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