

CLPTM1L Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP9573b

Product Information

Application WB, E **Primary Accession Q96KA5** Reactivity Human Host Rabbit Clonality Polyclonal Isotype Rabbit IgG **Clone Names** RB24286 **Calculated MW** 62229 **Antigen Region** 509-538

Additional Information

Gene ID 81037

Other Names Cleft lip and palate transmembrane protein 1-like protein, CLPTM1-like

protein, Cisplatin resistance-related protein 9, CRR9p, CLPTM1L, CRR9

Target/Specificity This CLPTM1L antibody is generated from rabbits immunized with a KLH

conjugated synthetic peptide between 509-538 amino acids from the

C-terminal region of human CLPTM1L.

Dilution WB~~1:1000 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 CLPTM1L Antibody (C-term) is for research use only and not for use in

diagnostic or therapeutic procedures.

Protein Information

Name CLPTM1L

Synonyms CRR9

Function Scramblase that mediates the translocation of

glucosaminylphosphatidylinositol (alpha-D-GlcN-(1-6)-(1,2-diacyl-sn-

glycero-3-phospho)-1D-myo-inositol, GlcN-PI) across the endoplasmic reticulum (ER) membrane, from the cytosolic leaflet to the luminal leaflet of the ER membrane, where it participates in the biosynthesis of glycosylphosphatidylinositol (GPI) (PubMed:35344438). GPI is a lipid glycoconjugate involved in post-translational modification of proteins (PubMed:35344438). Can also translocate 1,2-diacyl-sn-glycero-3-phospho-(1D-myo-inositol) (phosphatidylinositol or PI), as well as several other phospholipids (1,2-diacyl-sn-glycero-3-phosphocholine, 1,2-diacyl-sn-glycero-3-phosphoethanolamine), and N-acetylglucosaminylphosphatidylinositol (GlcNAc-PI) in vitro (PubMed:35344438).

Cellular Location Endoplasmic reticulum membrane; Multi-pass membrane protein

Tissue Location Ubiquitously expressed.

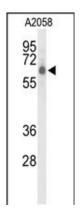
Background

CLPTM1L enhances cisplatin-mediated apoptosis, when overexpressed.

References

?Petersen, G.M., et al. Nat. Genet. 42(3):224-228(2010) ?Wang, Y., et al. Carcinogenesis 31(2):234-238(2010) ?Landi, M.T., et al. Am. J. Hum. Genet. 85(5):679-691(2009) ?Chapuis, J., et al. Mol. Psychiatry 14(11):1004-1016(2009) ?Broderick, P., et al. Cancer Res. 69(16):6633-6641(2009)

Images



Western blot analysis of CLPTM1L Antibody (C-term) (Cat. #AP9573b) in A2058 cell line lysates (35ug/lane). CLPTM1L (arrow) was detected using the purified Pab.

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