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CLPTM1L Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16233b

Product Information

Application	WB, E
Primary Accession	Q96KA5
Other Accession	NP_110409.2
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB30326
Calculated MW	62229
Antigen Region	370-399

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 370-399 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.

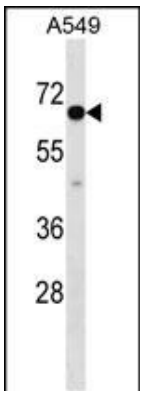
Background

CLPTM1L enhances cisplatin-mediated apoptosis, when overexpressed.

References

Liu, Z., et al. Carcinogenesis 31(11):1977-1981(2010) Hsiung, C.A., et al. PLoS Genet. 6 (8) (2010) : Truong, T., et al. J. Natl. Cancer Inst. 102(13):959-971(2010) Pooley, K.A., et al. Cancer Epidemiol. Biomarkers Prev. 19(7):1862-1865(2010) Turnbull, C., et al. Nat. Genet. 42(7):604-607(2010)

Images



CLPTM1L Antibody (C-term) (Cat. #AP16233b) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the CLPTM1L antibody detected the CLPTM1L protein (arrow).

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