

# CLPTM1L Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP16233b

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q96KA5</a>
<b>Other Accession</b>	<a href="#">NP_110409.2</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB30326
<b>Calculated MW</b>	62229
<b>Antigen Region</b>	370-399

## Additional Information

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<b>Gene ID</b>	81037
<b>Other Names</b>	Cleft lip and palate transmembrane protein 1-like protein, CLPTM1-like protein, Cisplatin resistance-related protein 9, CRR9p, CLPTM1L, CRR9
<b>Target/Specificity</b>	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.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	CLPTM1L Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	CLPTM1L
<b>Synonyms</b>	CRR9
<b>Function</b>	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](#)).

<b>Cellular Location</b>	Endoplasmic reticulum membrane; Multi-pass membrane protein
<b>Tissue Location</b>	Ubiquitously expressed.

## Background

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CLPTM1L enhances cisplatin-mediated apoptosis, when overexpressed.

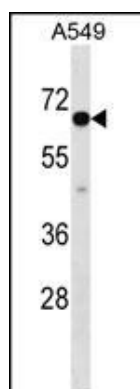
## References

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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

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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'.