

# CRLS1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP5423b

## Product Information

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<b>Application</b>	IHC-P, WB, E
<b>Primary Accession</b>	<a href="#">Q9UJA2</a>
<b>Other Accession</b>	<a href="#">Q5U2V5</a> , <a href="#">Q80ZM8</a> , <a href="#">NP_001120930.1</a> , <a href="#">NP_061968.1</a>
<b>Reactivity</b>	Human
<b>Predicted</b>	Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB26827
<b>Calculated MW</b>	32593
<b>Antigen Region</b>	198-226

## Additional Information

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<b>Gene ID</b>	54675
<b>Other Names</b>	Cardiolipin synthase, CLS, 278-, Protein GCD10 homolog, CRLS1, C20orf155, CLS1
<b>Target/Specificity</b>	This CRLS1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 198-226 amino acids from the C-terminal region of human CRLS1.
<b>Dilution</b>	IHC-P~~1:100~500 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>	CRLS1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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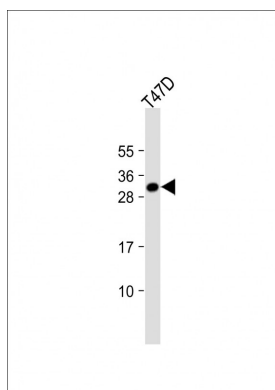
<b>Name</b>	CRLS1
<b>Synonyms</b>	C20orf155, CLS1

<b>Function</b>	Catalyzes the synthesis of cardiolipin (CL) (diphosphatidylglycerol) by specifically transferring a phosphatidyl group from CDP-diacylglycerol to phosphatidylglycerol (PG) (PubMed: <a href="#">16547353</a> , PubMed: <a href="#">16678169</a> , PubMed: <a href="#">16716149</a> , PubMed: <a href="#">35147173</a> ). CL is a key phospholipid in mitochondrial membranes and plays important roles in maintaining the functional integrity and dynamics of mitochondria under both optimal and stress conditions (PubMed: <a href="#">35147173</a> ).
<b>Cellular Location</b>	Mitochondrion inner membrane; Multi-pass membrane protein
<b>Tissue Location</b>	Highly expressed in tissues such as heart, skeletal muscle and liver.

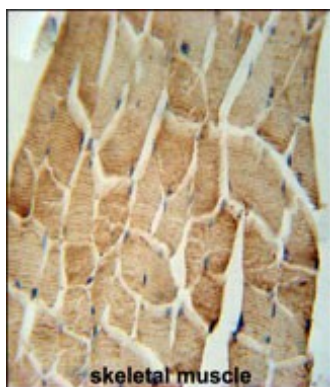
## References

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## Images



Anti-CRLS1 Antibody (C-term) at 1:1000 dilution + T47D whole cell lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 33 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



CRLS1 Antibody (C-term) (Cat. #AP5423b) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CRLS1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.