

**Cardiolipin Synthase / CRLS1 Antibody (Internal)**  
**Goat Polyclonal Antibody**  
**Catalog # ALS15768****Specification**

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**Cardiolipin Synthase / CRLS1 Antibody (Internal) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB                     |
| Primary Accession | <a href="#">O9UJA2</a> |
| Reactivity        | Human                  |
| Host              | Goat                   |
| Clonality         | Polyclonal             |
| Calculated MW     | 33kDa KDa              |

**Cardiolipin Synthase / CRLS1 Antibody (Internal) - Additional Information****Gene ID** 54675**Other Names**

Cardiolipin synthase, CLS, 2.7.8.-, Protein GCD10 homolog, CRLS1, C20orf155, CLS1

**Target/Specificity**

Human CRLS1. This antibody is expected to recognize both reported isoforms (NP\_061968.1; NP\_001120930.1).

**Reconstitution & Storage**

Store at -20°C. Minimize freezing and thawing.

**Precautions**

Cardiolipin Synthase / CRLS1 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

**Cardiolipin Synthase / CRLS1 Antibody (Internal) - Protein Information****Name** CRLS1**Synonyms** C20orf155, CLS1**Function**

Catalyzes the synthesis of cardiolipin (CL) (diphosphatidylglycerol) by specifically transferring a phosphatidyl group from CDP-diacylglycerol to phosphatidylglycerol (PG). 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.

**Cellular Location**

Mitochondrion inner membrane; Multi-pass membrane protein

**Tissue Location**

Highly expressed in tissues such as heart, skeletal muscle and liver.

## Cardiolipin Synthase / CRLS1 Antibody (Internal) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Cardiolipin Synthase / CRLS1 Antibody (Internal) - Images



CRLS1 antibody (0.2 ug/ml) staining of HEK293 lysate (35 ug protein in RIPA buffer).

## Cardiolipin Synthase / CRLS1 Antibody (Internal) - Background

Catalyzes the reversible phosphatidyl group transfer from one phosphatidylglycerol molecule to another to form cardiolipin (CL) (diphosphatidylglycerol) and glycerol.

## Cardiolipin Synthase / CRLS1 Antibody (Internal) - References

Houtkooper R.H., et al. FEBS Lett. 580:3059-3064(2006).  
Cheng Z., et al. Submitted (MAR-2000) to the EMBL/GenBank/DDBJ databases.  
Deloukas P., et al. Nature 414:865-871(2001).  
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.  
Bechtel S., et al. BMC Genomics 8:399-399(2007).