

cardiolipin synthase 1 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3607a**Specification**

cardiolipin synthase 1 Antibody (internal region) - Product Information

Application	WB, E
Primary Accession	O9UJA2
Other Accession	NP_061968.1 , NP_001120930.1 , 54675
Reactivity	Human
Predicted	Mouse, Rat, Pig, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	32593

cardiolipin synthase 1 Antibody (internal region) - Additional Information**Gene ID** 54675**Other Names**

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

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

cardiolipin synthase 1 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

cardiolipin synthase 1 Antibody (internal region) - 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) (PubMed:16547353, PubMed:16678169, PubMed:16716149, PubMed:35147173). 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:35147173).

Cellular Location

Mitochondrion inner membrane; Multi-pass membrane protein

Tissue Location

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

cardiolipin synthase 1 Antibody (internal region) - Protocols

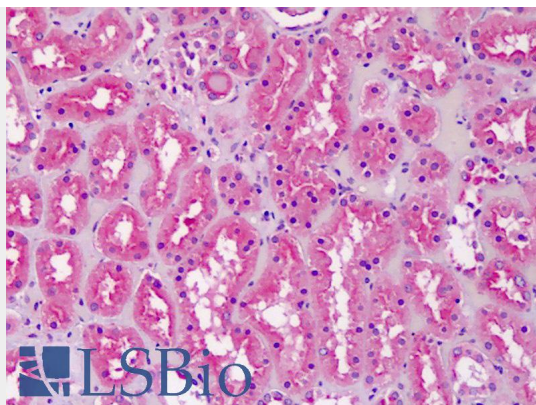
Provided below are standard protocols that you may find useful for product applications.

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

cardiolipin synthase 1 Antibody (internal region) - Images



AF3607a (0.2 µg/ml) staining of HEK293 lysate (35 µg protein in RIPA buffer). Detected by chemiluminescence.



AF3607a (5 µg/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

cardiolipin synthase 1 Antibody (internal region) - Background

This antibody is expected to recognize both reported isoforms (NP_061968.1; NP_001120930.1).

cardiolipin synthase 1 Antibody (internal region) - References

Infections and the antiphospholipid syndrome. García-Carrasco M, Galarza-Maldonado C, Mendoza-Pinto C, Escarcega RO, Cervera R. Clin Rev Allergy Immunol. 2009 Jun;36(2-3):104-8. PMID: 19089659