

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-CRLS1-Specific



Numéro de catalogue: 14845-1-AP

Phare

9 Publications

Informations de base

Numéro de catalogue:

14845-1-AP

Taille:

150ul, Concentration: 400 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;

Hôte:

Lapin

Isotype:

IgG

Numéro d'acquisition GenBank:

NM_019095

Identification du gène (NCBI):

54675

Nom complet:

cardiolipin synthase 1

MW calculé

33 kDa

MW observés:

32 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:500-1:3000

IHC 1:50-1:500

Applications

Applications testées:

IHC, WB, ELISA

Demandes citées:

WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain, rat, souris

Contrôles positifs:

WB : cellules A549, cellules HEK-293T, cellules HepG2, cellules Jurkat

IHC : tissu cardiaque humain, tissu de cancer du foie humain, tissu de muscle squelettique humain

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Informations générales

Cardiolipin (CL) is a mitochondrial-specific double negatively charged phospholipid which is intricately involved in regulating bioenergetic efficiency. In eukaryotes, CL is synthesized by cardiolipin synthase (CRLS1 or CLS1) which catalyzes the reversible phosphatidyl group transfer from one phosphatidylglycerol molecule to another to form CL and glycerol. Recently it has been reported that transgenic expression of CRLS1 accelerates cardiolipin remodeling, improves mitochondrial function, modulates mitochondrial signaling, and attenuates mitochondrial dysfunction during diabetes, thereby identifying CRLS1 as a novel therapeutic target to attenuate mitochondrial dysfunction in diabetic myocardium. The predicted molecular weight of CRLS1 is around 32-35 kDa, while a 50 kDa protein with CRLS1 activity had been observed in liver isolation, which may represent an isoform of CRLS1 (20652826).

Publications notables

Autrice	Pubmed ID	Journal	Application
Laure Peyta	26327596	Biochim Biophys Acta	WB
Lei Wu	33129969	J Nutr Biochem	WB
Mushfiquddin Khan	34100455	Neural Regen Res	WB

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

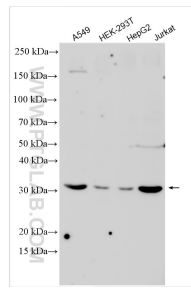
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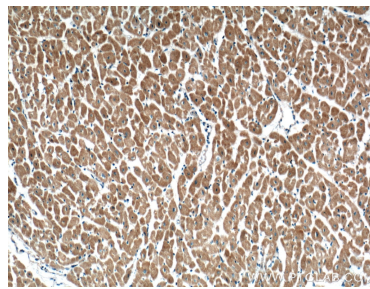
E: proteintech@ptglab.com
W: ptglab.com

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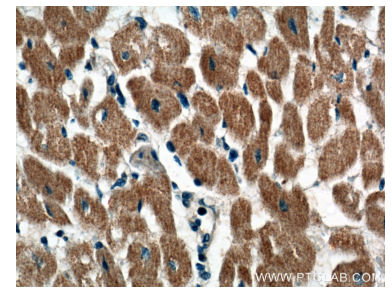
Données de validation sélectionnées



Various lysates were subjected to SDS PAGE followed by western blot with 14845-1-AP (CRLS1-Specific antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 14845-1-AP (CRLS1-Specific Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 14845-1-AP (CRLS1-Specific Antibody) at dilution of 1:200 (under 40x lens).