

For Research Use Only

CARS2 Polyclonal antibody

Catalog Number: 33597-1-AP

Featured Product



Basic Information

Catalog Number:

33597-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG38943

GenBank Accession Number:

NM_024537.3

GeneID (NCBI):

79587

UNIPROT ID:

Q9HA77

Full Name:

cysteinyl-tRNA synthetase 2,
mitochondrial (putative)

Calculated MW:

62kDa, 564aa

Observed MW:

55-63kd

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB: 1:1000-1:4000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total
protein lysate

IF/ICC: 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, IP, ELISA

Species Specificity:

human

Positive Controls:

WB : SK-BR-3 cells,

IP : SK-BR-3 cells,

IF/ICC : A431 cells,

Background Information

Cars2 (mitochondrial cysteine-tRNA synthetase 2) is a class I aminoacyl-tRNA synthetase encoded by nuclear gene, which locates in mitochondria. Its core function is to catalyze cysteine to bind to corresponding trna, and ensure the translation of mitochondrial protein. Its mutation will cause diseases related to mitochondrial dysfunction.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

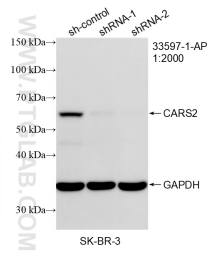
T: 4006900926

E: Proteintech-CN@ptglab.com

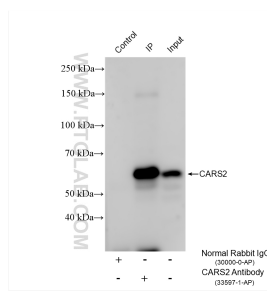
W: ptgcn.com

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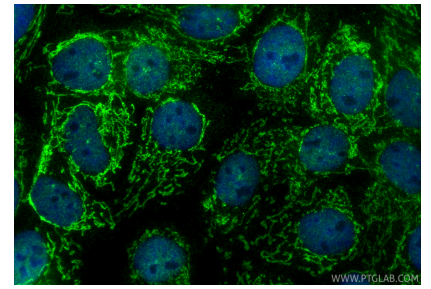
Selected Validation Data



WB result of CARS2 antibody (33597-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CARS2 transfected SK-BR-3 cells.



IP result of anti-CARS2 (IP:33597-1-AP, 4 μ g; Detection:33597-1-AP 1:3000) with SK-BR-3 cells lysate 1600 μ g.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using CARS2 antibody (33597-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).