

For Research Use Only

# LARS Polyclonal antibody

Catalog Number: 21146-1-AP

Featured Product

14 Publications



## Basic Information

### Catalog Number:

21146-1-AP

### Concentration:

300 µg/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG15684

### GenBank Accession Number:

BC151214

### GeneID (NCBI):

51520

### UNIPROT ID:

Q9P2J5

### Full Name:

leucyl-tRNA synthetase

### Calculated MW:

1176 aa, 134 kDa

### Observed MW:

135-140 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB: 1:500-1:1000

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

IHC: 1:100-1:400

IF/ICC: 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, IF, IP, CoIP

### Species Specificity:

human

### Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB: A549 cells, HeLa cells, Jurkat cells

IP: Jurkat cells,

IHC: human colon tissue,

IF/ICC: HeLa cells,

## Background Information

### Notable Publications

| Author              | Pubmed ID | Journal                  | Application |
|---------------------|-----------|--------------------------|-------------|
| Peter Gollwitzer    | 36097072  | Nat Cell Biol            | WB          |
| Krishnendu Khan     | 36037331  | Proc Natl Acad Sci U S A | WB          |
| Angela Papageorgiou | 25790369  | PLoS One                 | WB          |

## 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:

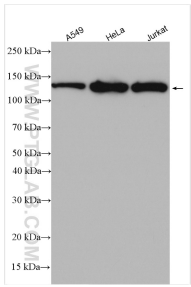
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

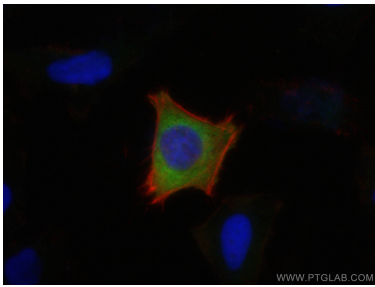
W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

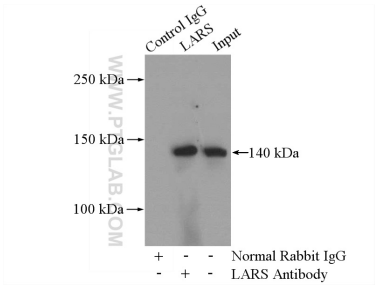
Selected Validation Data



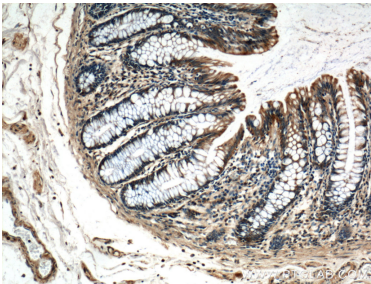
Various lysates were subjected to SDS PAGE followed by western blot with 21146-1-AP (LARS antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



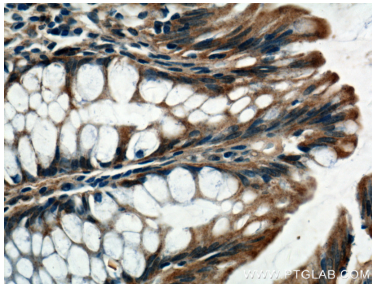
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using LARS antibody (21146-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



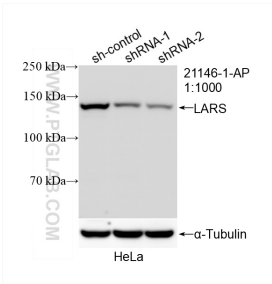
IP result of anti-LARS (IP:21146-1-AP, 4ug; Detection:21146-1-AP 1:500) with Jurkat cells lysate 2400ug.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 21146-1-AP (LARS Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 21146-1-AP (LARS Antibody) at dilution of 1:200 (under 40x lens).



WB result of LARS antibody (21146-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-LARS transfected HeLa cells.