

For Research Use Only

# KARS Polyclonal antibody

Catalog Number: 14951-1-AP

Featured Product

10 Publications



## Basic Information

**Catalog Number:**

14951-1-AP

**Size:**

500 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG6778

**GenBank Accession Number:**

BC004132

**GeneID (NCBI):**

3735

**UNIPROT ID:**

Q15046

**Full Name:**

lysyl-tRNA synthetase

**Calculated MW:**

68 kDa

**Observed MW:**

68 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:4000

IHC 1:20-1:200

IF 1:50-1:500

## Applications

**Tested Applications:**

IF/ICC, IHC, WB, ELISA

**Cited Applications:**

IF, WB

**Species Specificity:**

human

**Cited Species:**

human, mouse, zebrafish

**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:** HEK-293T cells, Jurkat cells, human colon tissue, HeLa cells, HepG2 cells

**IHC:** human placenta tissue,

**IF:** A431 cells,

## Background Information

### Notable Publications

Author	Pubmed ID	Journal	Application
Benedetta Ruzzenente	30252186	Hum Mutat	WB
Krishnendu Khan	36037331	Proc Natl Acad Sci U S A	WB,IF
Daniela Verrigni	27891585	Clin Genet	WB

## Storage

**Storage:**

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

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

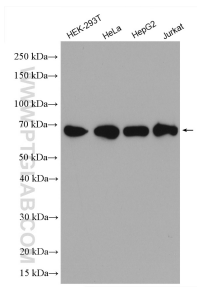
T: 4006900926

E: Proteintech-CN@ptglab.com

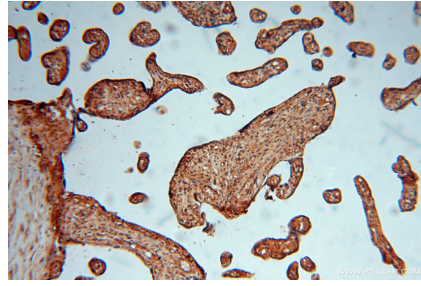
W: ptgcn.com

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

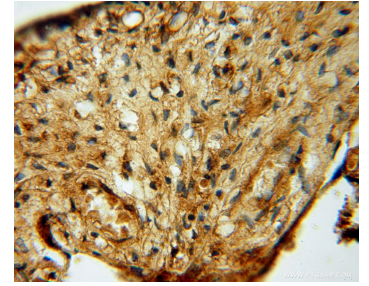
## Selected Validation Data



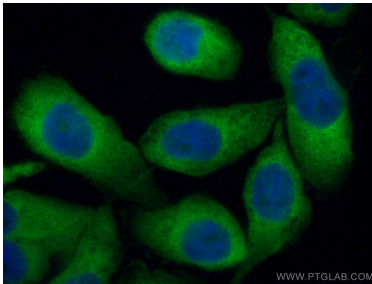
Various lysates were subjected to SDS PAGE followed by western blot with 14951-1-AP (KARS antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta using 14951-1-AP (KARS antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human placenta using 14951-1-AP (KARS antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed A431 cells using KARS antibody (14951-1-AP) at dilution of 1:200 and Coralite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).