

# KARS Rabbit Polyclonal Antibody



CAB13772

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

75kDa

### Calculated MW:

68kDa/71kDa

### Applications:

WB IF

### Reactivity:

Human, Mouse, Rat

## Protein Background

Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. Lysyl-tRNA synthetase is a homodimer localized to the cytoplasm which belongs to the class II family of tRNA synthetases. It has been shown to be a target of autoantibodies in the human autoimmune diseases, polymyositis or dermatomyositis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

## Immunogen information

### Gene ID:

3735

### Uniprot

Q15046

### Synonyms:

KARS; CMTRIB; DFNB89; KARS1; KARS2; KRS

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IF 1:50 - 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

### Immunogen:

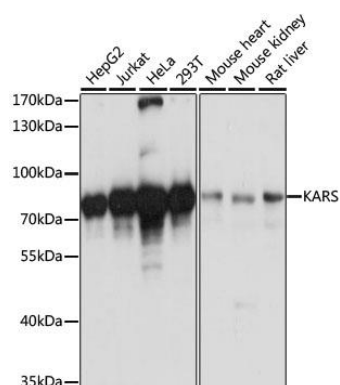
Recombinant fusion protein containing a sequence corresponding to amino acids 298-597 of human KARS (NP\_005539.1).

### Storage:

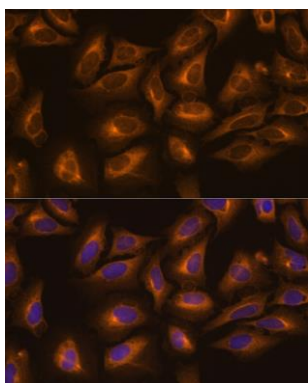
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

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Western blot analysis of extracts of various cell lines, using KARS antibody (CAB13772) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 3s.



Immunofluorescence analysis of U-2 OS cells using KARS Rabbit pAb (CAB13772) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.