

# LysRS/KARS Rabbit pAb

Catalog No.: A13772

## Basic Information

### Observed MW

75kDa

### Calculated MW

68kDa

### Category

Primary antibody

### Applications

ELISA, WB, IF/ICC

### Cross-Reactivity

Human, Mouse, Rat

## 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.

## Recommended Dilutions

WB 1:500 - 1:2000

IF/ICC 1:50 - 1:200

## Immunogen Information

### Gene ID

3735

### Swiss Prot

Q15046

### Immunogen

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

### Synonyms

KRS; KARS; KARS2; LEPID; CMTRIB; DEAPLE; DFN89; LysRS/KARS

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

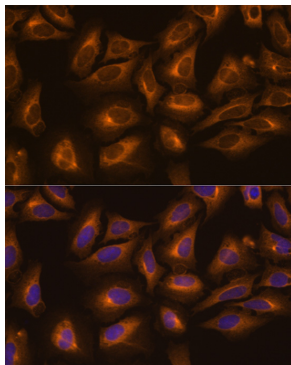
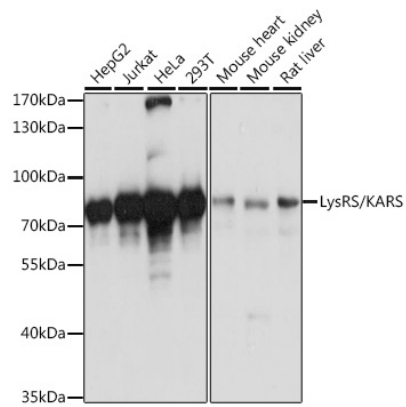
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

## Validation Data



Immunofluorescence analysis of U-2 OS cells using LysRS/LysRS/KARS Rabbit pAb (A13772) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.