

Datasheet for ABIN903374

**anti-KARS antibody (AA 301-400) (AbBy Fluor® 555)**[Go to Product page](#)

## Overview

|                      |                                                                                                                                   |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                            |
| Target:              | KARS                                                                                                                              |
| Binding Specificity: | AA 301-400                                                                                                                        |
| Reactivity:          | Human                                                                                                                             |
| Host:                | Rabbit                                                                                                                            |
| Clonality:           | Polyclonal                                                                                                                        |
| Conjugate:           | This KARS antibody is conjugated to AbBy Fluor® 555                                                                               |
| Application:         | Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)),<br>Immunofluorescence (Cultured Cells) (IF (cc)) |

## Product Details

|                       |                                                                               |
|-----------------------|-------------------------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human KARS2/Lysyl tRNA synthase |
| Isotype:              | IgG                                                                           |
| Predicted Reactivity: | Human, Mouse, Rat, Dog, Cow, Pig, Horse, Chicken, Rabbit                      |
| Purification:         | Purified by Protein A.                                                        |

## Target Details

|                   |                                                                                        |
|-------------------|----------------------------------------------------------------------------------------|
| Target:           | KARS                                                                                   |
| Alternative Name: | Lysyl tRNA synthetase ( <a href="#">KARS Products</a> )                                |
| Background:       | Synonyms: KARS 2, KARS, KARS2, KIAA0070, KRS, Lysine tRNA ligase, Lysine--tRNA ligase, |

## Target Details

LysRS, Lysyl-tRNA synthetase, SYK\_HUMAN.

Background: Catalyzes the specific attachment of an amino acid to its cognate tRNA in a 2 step reaction: the amino acid (AA) is first activated by ATP to form AA-AMP and then transferred to the acceptor end of the tRNA. When secreted, acts as a signaling molecule that induces immune response through the activation of monocyte/macrophages. Catalyzes the synthesis of diadenosine oligophosphate (Ap4A), a signaling molecule involved in the activation of MITF transcriptional activity. Interacts with HIV-1 virus GAG protein, facilitating the selective packaging of tRNA(3)(Lys), the primer for reverse transcription initiation.

Gene ID: 6850

## Application Details

Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months