

# Anti-RARS1 Recombinant Rabbit Monoclonal Antibody



**Catalog #: 5550**

## Aliases

RARS1; Arginyl-TRNA Synthetase 1; DALRD1; RARS; Arginine TRNA Ligase 1, Cytoplasmic; Arginine--TRNA Ligase, Cytoplasmic; Arginyl-TRNA Synthetase; EC 6.1.1.19; ArgRS; Arginyl-TRNA Synthetase, Cytoplasmic; HLD9

## Background

Gene Name: RARS1

NCBI Gene Entry: [5917](#)

UniProt Entry: [P54136](#)

## Application Information

Molecular Weight: Predicted, 75 kDa; observed, 67 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 25GB2030

Species Reactivity: Human, mouse, rat

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

## Immunogen

A synthesized peptide derived from human RARS1

## Isotype

Rabbit IgG

## Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

## Storage

Store at -20 °C for one year.

## Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000

Flow Cytometry (FCM): 1:2,000

Immunocytochemistry (IC): 1:100-1:1,000

**Note:** This product is for research use only.

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### SUPPORT

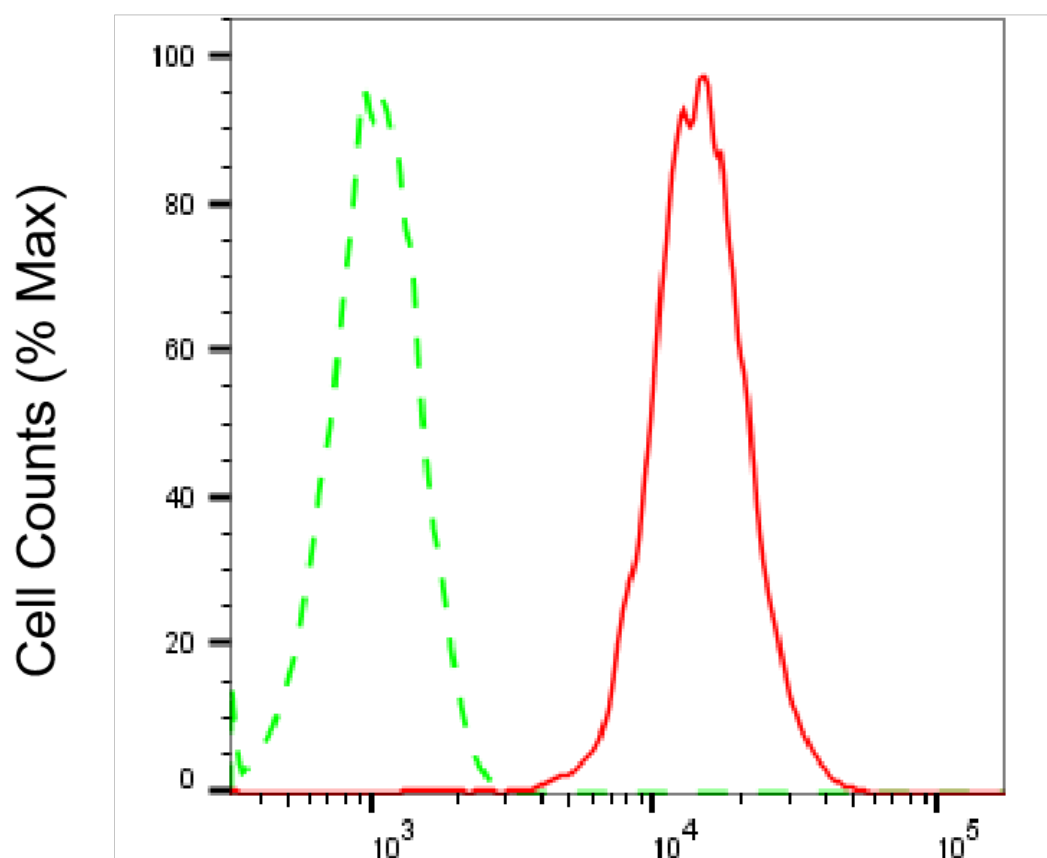
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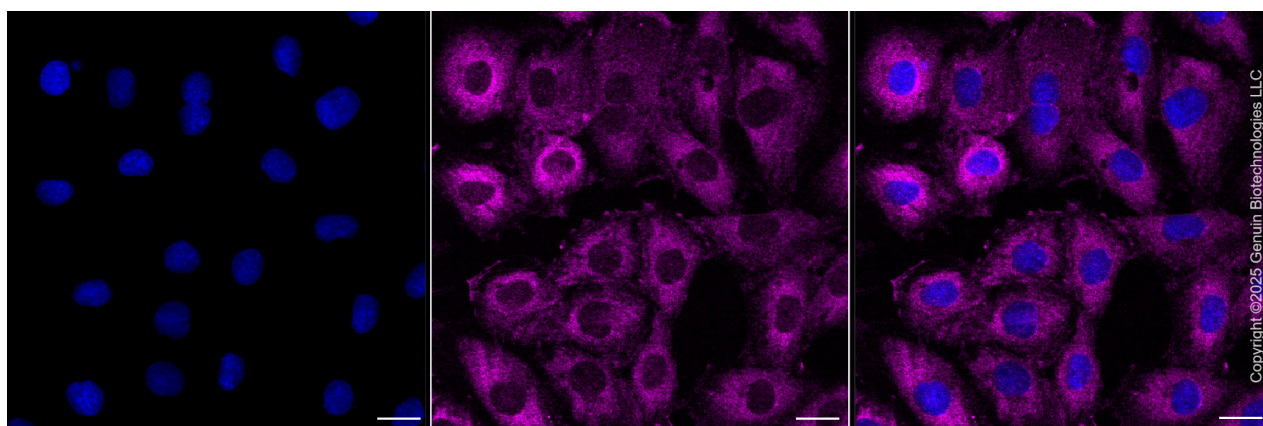
**Validation Data**



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**RARS1-Alexa Fluor® 647**

Flow cytometric analysis of RARS1 expression in H9c2 cells using anti-RARS1 antibody (Cat#5550, 1:2,000). Green, isotype control; red, RARS1.



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Immunocytochemical staining of H9c2 cells with anti-RARS1 antibody (Cat#5550, 1:1,000). Nuclei were stained blue with DAPI; RARS1 was stained magenta with Alexa Fluor® 647.

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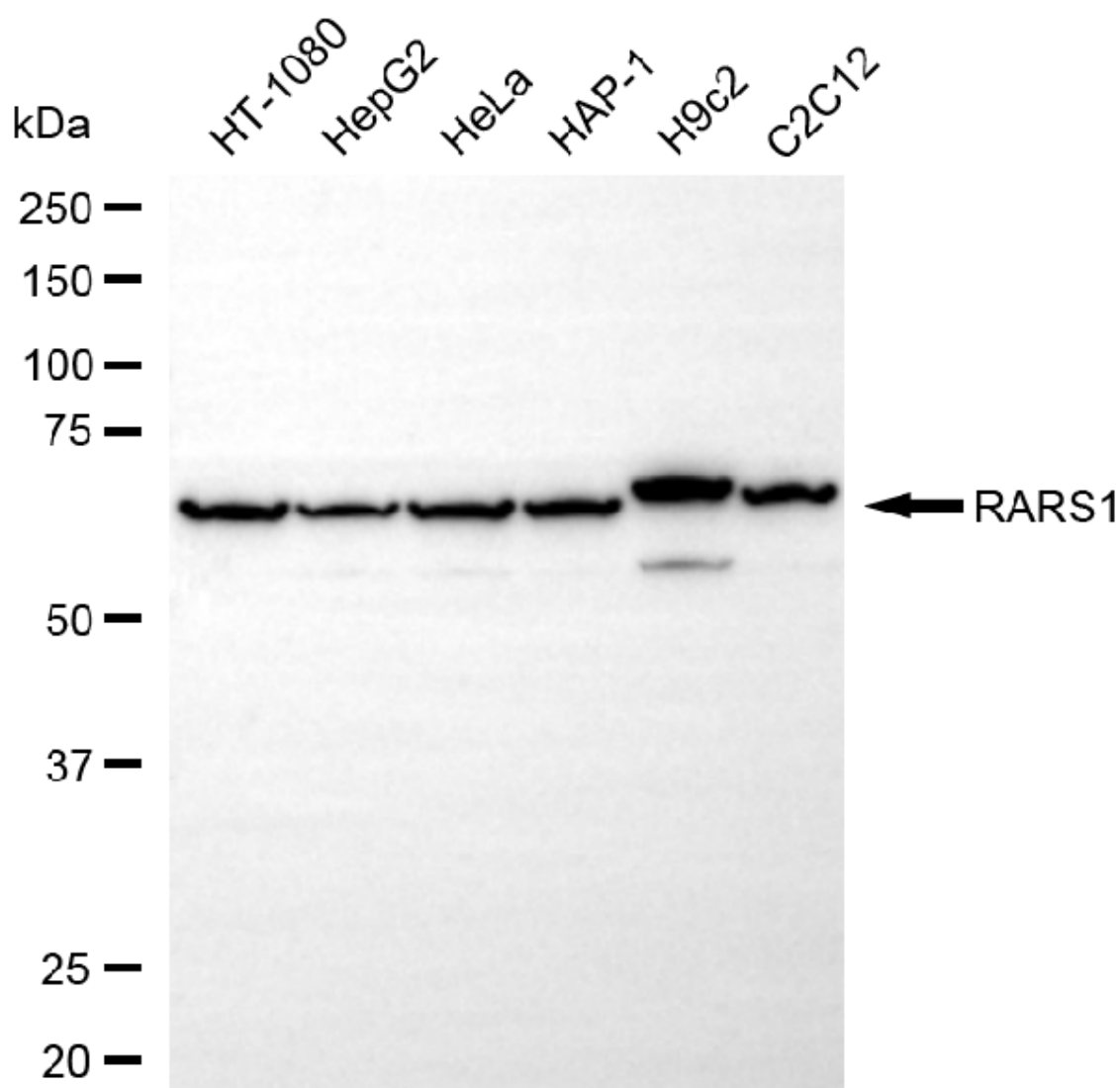
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Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20  $\mu$ m.



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Western blotting analysis using anti-RARS1 antibody (Cat#5550). Total cell lysates (20  $\mu$ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-RARS1 antibody (Cat#5550, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

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