

For Research Use Only

# RARS Monoclonal antibody

Catalog Number: 66815-1-Ig **Featured Product**



## Basic Information

**Catalog Number:**

66815-1-Ig

**Size:**

1600 µg/ml

**Source:**

Mouse

**Isotype:**

IgG2b

**Immunogen Catalog Number:**

AG26399

**GenBank Accession Number:**

BC000528

**GeneID (NCBI):**

5917

**UNIPROT ID:**

P54136

**Full Name:**

arginyl-tRNA synthetase

**Calculated MW:**

75 kDa

**Observed MW:**

67 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

1C8G4

**Recommended Dilutions:**

WB 1:3000-1:8000

IF 1:400-1:1600

## Applications

**Tested Applications:**

IF/ICC, WB, ELISA

**Species Specificity:**

Human, mouse, rat

**Positive Controls:**

WB : HeLa cells, HSC-T6 cells, MCF-7 cells, A431 cells, HEK-293 cells, HepG2 cells, NIH/3T3 cells

IF : HeLa cells,

## Background Information

RARS, also named ArgRS (arginyl-tRNA synthetase), belongs to the class-I aminoacyl-tRNA synthetase family which catalyze the aminoacylation of tRNA by their cognate amino acid. In higher eukaryotes, one of the two arginyl-tRNA synthetases (ArgRSs) has evolved to have an extended N-terminal domain that plays a crucial role in protein synthesis and cell growth and in integration into the multisynthetase complex (MSC) (PMID:25288775). RARS has two isoforms with the molecular weight of 75 and 67 kDa.

## 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:

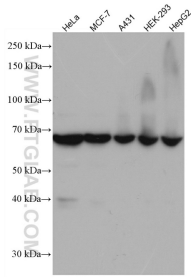
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

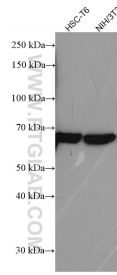
W: [ptgcn.com](http://ptgcn.com)

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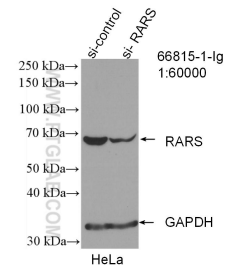
## Selected Validation Data



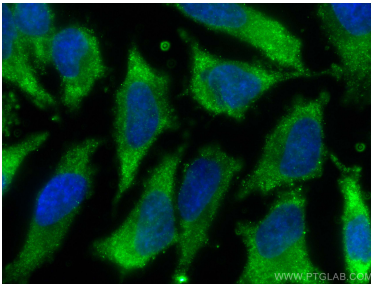
Various lysates were subjected to SDS PAGE followed by western blot with 66815-1-Ig (RARS antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



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WB result of RARS antibody (66815-1-Ig; 1:60000; incubated at room temperature for 1.5 hours) with sh-Control and sh-RARS transfected HeLa cells.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using RARS antibody (66815-1-Ig, Clone: 1C8G4) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).