

For Research Use Only

RARS Monoclonal antibody

Catalog Number: 66815-1-Ig

Featured Product



Basic Information

Catalog Number:

66815-1-Ig

Concentration:

1600 ug/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

IHC 1:200-1:800

IF/ICC 1:400-1:1600

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

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

IHC : mouse brain tissue,

IF/ICC : 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:

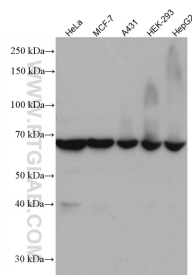
T: 4006900926

E: Proteintech-CN@ptglab.com

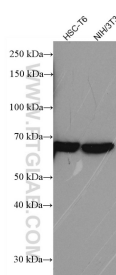
W: ptgcn.com

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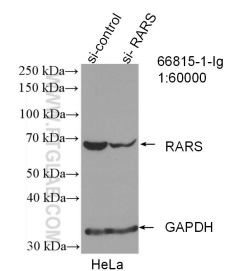
Selected Validation Data



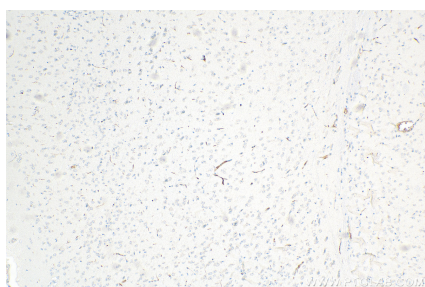
Various lysates were subjected to SDS PAGE followed by western blot with 66815-1-Ig (RARS antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



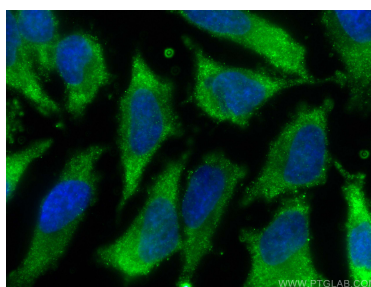
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WB result of RARS antibody (66815-1-Ig; 1:60000; incubated at room temperature for 1.5 hours) with sh-Control and sh-RARS transfected HeLa cells.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66815-1-Ig (RARS antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).