

For Research Use Only

RARS Monoclonal antibody

Catalog Number: 66815-1-Ig

Featured Product



Basic Information

Catalog Number:

66815-1-Ig

Size:

150ul, Concentration: 1600 ug/ml by
Nanodrop and 1000 ug/ml by Bradford
method using BSA as the standard;

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

*** 20ul sizes contain 0.1% BSA

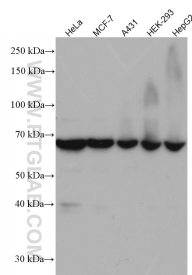
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

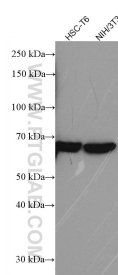
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

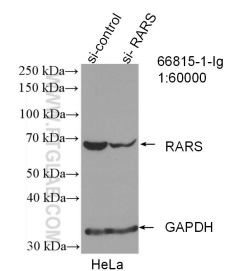
Selected Validation Data



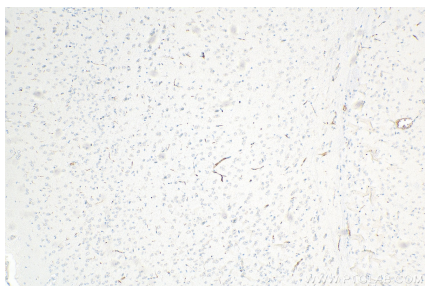
Various lysates were subjected to SDS PAGE followed by western blot with 66815-1-Ig (RARS antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



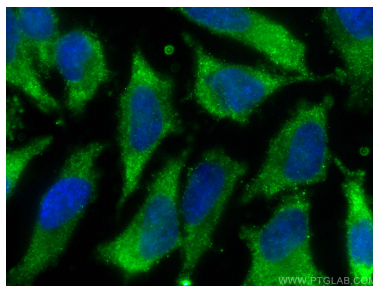
Various lysates were subjected to SDS PAGE followed by western blot with 66815-1-Ig (RARS antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



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).