

HARS Monoclonal antibody

Catalog Number: 67662-1-Ig

Basic Information

Catalog Number:

67662-1-Ig

Size:

2200 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG9224

GenBank Accession Number:

BC011807

GeneID (NCBI):

3035

UNIPROT ID:

P12081

Full Name:

histidyl-tRNA synthetase

Calculated MW:

509 aa, 57 kDa

Observed MW:

50 kDa

Purification Method:

Protein G purification

CloneNo.:

1B7G2

Recommended Dilutions:

WB 1:2000-1:10000

IF/ICC 1:400-1:1600

Applications

Tested Applications:

IF/ICC, WB, ELISA

Species Specificity:

Human, mouse, rat

Positive Controls:

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

IF/ICC : MCF-7 cells,

Background Information

HARS is a cytoplasmic enzyme that belongs to the class II family of aminoacyl-tRNA synthetases. The enzyme is responsible for the synthesis of histidyl-transfer RNA, which is essential for the incorporation of histidine into proteins. HARS is located in a head-to-head orientation with HARS1 on chromosome five, where the homologous genes share a bidirectional promoter. The gene product is a frequent target of autoantibodies in the human autoimmune disease polymyositis/dermatomyositis.

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:

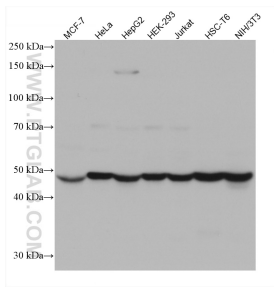
T: 4006900926

E: Proteintech-CN@ptglab.com

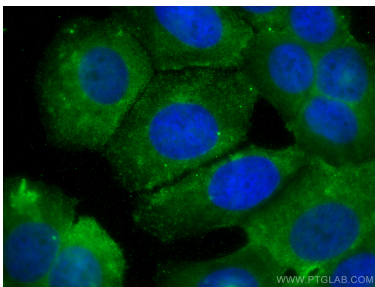
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67662-1-Ig (HARS antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using HARS antibody (67662-1-Ig, Clone: 1B7G2) at dilution of 1:800 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).