

For Research Use Only

HARS Monoclonal antibody

Catalog Number: 67662-1-Ig



Basic Information

Catalog Number: 67662-1-Ig	GenBank Accession Number: BC011807	Purification Method: Protein G purification
Size: 150ul , Concentration: 2200 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3035	CloneNo.: 1B7G2
Source: Mouse	Full Name: histidyl-tRNA synthetase	Recommended Dilutions: WB 1:2000-1:10000 IF 1:400-1:1600
Isotype: IgG1	Calculated MW: 509 aa, 57 kDa	
Immunogen Catalog Number: AG9224	Observed MW: 50 kDa	

Applications

Tested Applications:
IF, 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 : 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 HARS2 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

*** 20ul sizes contain 0.1% BSA

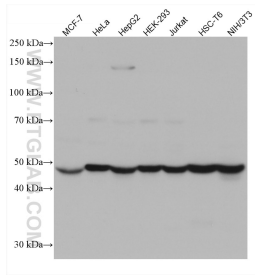
For technical support and original validation data for this product please contact:

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

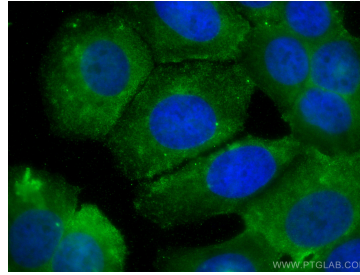
E: proteintech@ptglab.com
W: ptglab.com

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 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).