

For Research Use Only

# HARS Monoclonal antibody, PBS Only

Catalog Number: 67662-1-PBS



## Basic Information

<b>Catalog Number:</b> 67662-1-PBS	<b>GenBank Accession Number:</b> BC011807	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3035	<b>CloneNo.:</b> 1B7G2
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P12081	
<b>Isotype:</b> IgG1	<b>Full Name:</b> histidyl-tRNA synthetase	
<b>Immunogen Catalog Number:</b> AG9224	<b>Calculated MW:</b> 509 aa, 57 kDa	
	<b>Observed MW:</b> 50 kDa	

## Applications

**Tested Applications:**  
WB, IF, Indirect ELISA

**Species Specificity:**  
Human, mouse, rat

## 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 HARSL 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

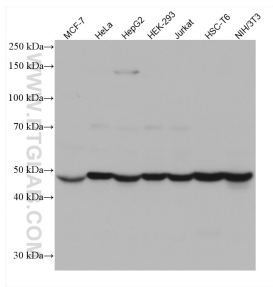
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

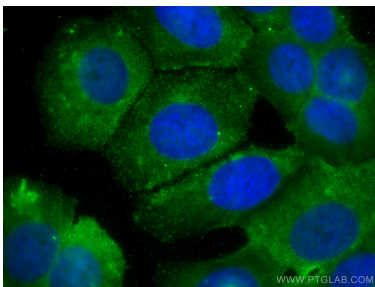
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected 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. This data was developed using the same antibody clone with 67662-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67662-1-PBS in a different storage buffer formulation.