

HARS Polyclonal antibody

Catalog Number: 16375-1-AP

1 Publications

Basic Information

Catalog Number: 16375-1-AP	GenBank Accession Number: BC011807	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3035	Recommended Dilutions: WB 1:500-1:1000 IF 1:10-1:100
Source: Rabbit	Full Name: histidyl-tRNA synthetase	
Isotype: IgG	Calculated MW: 509 aa, 57 kDa	
Immunogen Catalog Number: AG9333	Observed MW: 50 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls:
Cited Applications: WB	WB : mouse liver tissue, HeLa cells, human kidney tissue, K-562 cells, mouse brain tissue, mouse heart tissue, mouse lung tissue
Species Specificity: human, mouse, rat	IF : MCF-7 cells,
Cited Species: human	

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Maria C Passarelli	35288656	Nat Cell Biol	WB

Storage

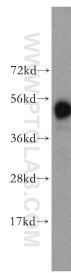
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
 Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

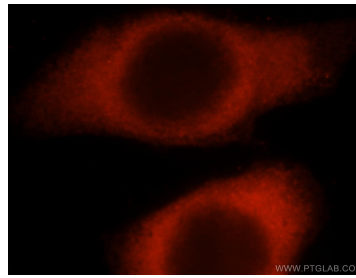
For technical support and original validation data for this product please contact:
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
 E: proteintech@ptglab.com
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Selected Validation Data



mouse liver tissue were subjected to SDS PAGE followed by western blot with 16375-1-AP (HARS antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of MCF-7 cells, using HARS antibody 16375-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).