

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: 2200 µg/ml	GeneID (NCBI): 3035	CloneNo.: 1B7G2
Source: Mouse	UNIPROT ID: P12081	Recommended Dilutions: WB 1:2000-1:10000 IF 1:400-1:1600
Isotype: IgG1	Full Name: histidyl-tRNA synthetase	
Immunogen Catalog Number: AG9224	Calculated MW: 509 aa, 57 kDa	
	Observed MW: 50 kDa	

Applications

Tested Applications: IF/ICC, WB, ELISA	Positive Controls:
Species Specificity: Human, mouse, rat	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 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:

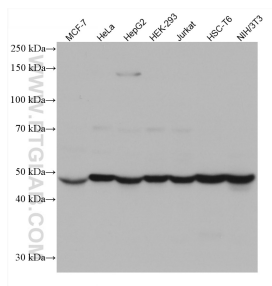
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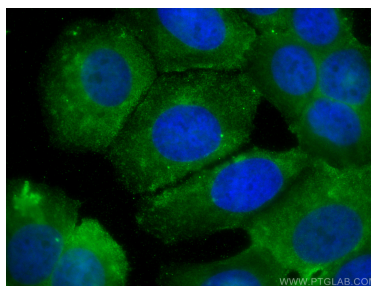
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Selected Validation Data



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).