

## ARG57450 anti-HARS antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody recognizes HARS
Tested Reactivity	Hu, Mk
Tested Application	WB
Specificity	This antibody detects endogenous levels of HARS and does not cross-react with related proteins.
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Target Name	HARS
Species	Human
Immunogen	Purified recombinant Human HARS protein fragments expressed in E. coli.
Conjugation	Un-conjugated
Alternate Names	HisRS; USH3B; EC 6.1.1.21; Histidyl-tRNA synthetase; Histidine-tRNA ligase, cytoplasmic; HRS

### Application Instructions

Application table	Application	Dilution
	WB	1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

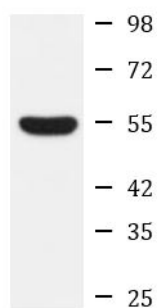
### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 0.03% Proclin300 and 50% Glycerol.
Preservative	0.03% Proclin300
Stabilizer	50% Glycerol
Concentration	1.1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Gene Symbol	HARS
Gene Full Name	histidyl-tRNA synthetase
Background	Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. The protein encoded by this gene is a cytoplasmic enzyme which 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. The gene 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. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2012]
Calculated Mw	57 kDa
Cellular Localization	Cytoplasm.

## Images



HeLa

ARG57450 anti-HARS antibody WB image

Western blot: HeLa cell lysate stained with ARG57450 anti-HARS antibody at 1:2000 dilution.