

Product datasheet for **TA343149**

HARS1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-HARS antibody: synthetic peptide directed towards the N terminal of human HARS. Synthetic peptide located within the following region: FVLKTPKGTRDYSRQMAVREKVFVDVIIRCFKRHGAEVIDTPVFELKETL
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	56 kDa
Gene Name:	histidyl-tRNA synthetase
Database Link:	NP_002100 Entrez Gene 3035 Human P12081
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 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.



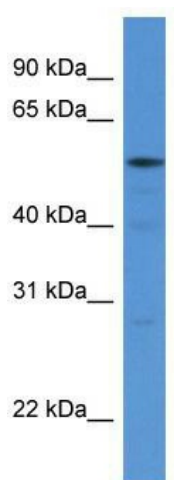
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Synonyms: CMT2W; HRS; USH3B

Note: Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%; Zebrafish: 79%

Protein Pathways: Aminoacyl-tRNA biosynthesis

Product images:



WB Suggested Anti-HARS Antibody; Titration: 1.0 ug/ml; Positive Control: 293T Whole Cell HARS is supported by BioGPS gene expression data to be expressed in HEK293T