

# KD-Validated Anti-HARS1 Mouse Monoclonal Antibody

Mouse monoclonal antibody

Catalog # AGI1970

## Product Information

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| <b>Application</b>       | WB, FC, ICC                                                                                                                                                                                                                                             |
| <b>Primary Accession</b> | <a href="#">P12081</a>                                                                                                                                                                                                                                  |
| <b>Reactivity</b>        | Human                                                                                                                                                                                                                                                   |
| <b>Clonality</b>         | Monoclonal                                                                                                                                                                                                                                              |
| <b>Isotype</b>           | Mouse IgG1                                                                                                                                                                                                                                              |
| <b>Clone Names</b>       | 24GB6755                                                                                                                                                                                                                                                |
| <b>Calculated MW</b>     | 57411                                                                                                                                                                                                                                                   |
| <b>Gene Name</b>         | HARS1                                                                                                                                                                                                                                                   |
| <b>Aliases</b>           | HARS1; Histidyl-TRNA Synthetase 1; HisRS; HARS; Histidine--TRNA Ligase, Cytoplasmic; Histidyl-TRNA Synthetase; EC 6.1.1.21; USH3B; HRS; Histidine TRNA Ligase 1, Cytoplasmic; Histidine Translase; Usher Syndrome 3B; Jo-1 Antigen; Jo-1 Antigen; CMT2W |
| <b>Immunogen</b>         | Recombinant protein of human HARS                                                                                                                                                                                                                       |

## Additional Information

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| <b>Gene ID</b>     | 3035                                                                                                                           |
| <b>Other Names</b> | Histidine--tRNA ligase, cytoplasmic, 6.1.1.21, Histidyl-tRNA synthetase, HisRS, HARS1 ( <a href="#">HGNC:4816</a> ), HARS, HRS |

## Protein Information

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| <b>Name</b>              | HARS1 ( <a href="#">HGNC:4816</a> )                                                                                                                                                                                                                              |
| <b>Synonyms</b>          | HARS, HRS                                                                                                                                                                                                                                                        |
| <b>Function</b>          | Catalyzes the ATP-dependent ligation of histidine to the 3'- end of its cognate tRNA, via the formation of an aminoacyl-adenylate intermediate (His-AMP) (PubMed: <a href="#">29235198</a> ). Plays a role in axon guidance (PubMed: <a href="#">26072516</a> ). |
| <b>Cellular Location</b> | Cytoplasm {ECO:0000250 UniProtKB:F1Q5D5}.                                                                                                                                                                                                                        |
| <b>Tissue Location</b>   | Brain, heart, liver and kidney.                                                                                                                                                                                                                                  |

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