

## Rabbit HARS Polyclonal Antibody | anti-HARS antibody

HARS Antibody

|                               |                       |                                        |                                                                                     |
|-------------------------------|-----------------------|----------------------------------------|-------------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA323797</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>ELISA, Immunocytochemistry, Immunofluorescence, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-------------------------------------------------------------------------------------|

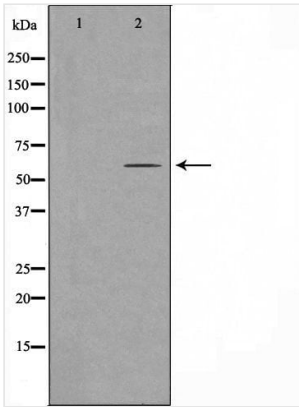
### PRODUCT SYNONYMS

HARS; Polyclonal Antibody; HARS Antibody; cytoplasmic; EC 6.1.1.21; FLJ20491; HisRS; Histidine tRNA ligase; histidine transase; Histidine--tRNA ligase; Histidyl tRNA synthetase; Histidyl-tRNA synthetase; HRS; Human histidyl tRNA synthetase homolog (HO3) mRNA complete cds; SYHC\_HUMAN; USH3B; anti-HARS antibody

### PRODUCT SPECIFICATIONS

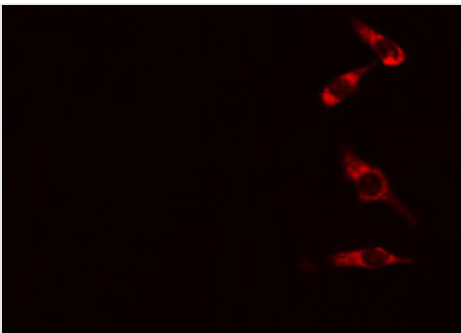
|                                                |                                                                                                 |
|------------------------------------------------|-------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                          |
| Reactivity                                     | Human, Mouse, Rat                                                                               |
| Clonality                                      | Polyclonal                                                                                      |
| Isotype                                        | IgG                                                                                             |
| Specificity                                    | HARS antibody detects endogenous levels of total HARS                                           |
| Purity/Purification                            | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.   |
| Form/Format                                    | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.   |
| Concentration                                  | 1mg/ml (varies by lot)                                                                          |
| Sequence Length                                | 469                                                                                             |
| Applicable Applications for anti-HARS antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                    |
| Immunogen                                      | A synthesized peptide                                                                           |
| Subcellular Location                           | Cytoplasm.                                                                                      |
| Tissue Specificity                             | Brain, heart, liver and kidney.                                                                 |
| Predicted Cross Reactivity                     | <b>Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken</b>                                          |
| Similarity                                     | Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (80%) |
| Conjugation                                    | Unconjugated                                                                                    |
| Preparation and Storage                        | Store at -20 degree C. Stable for 12 months from date of receipt.                               |

IMAGES



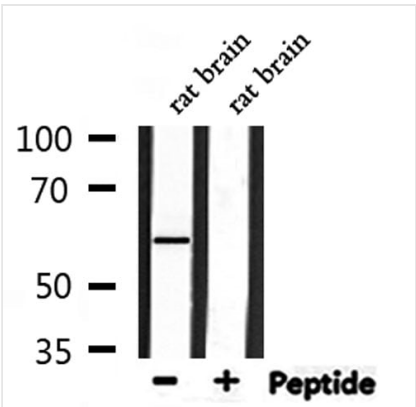
WB (Western Blot)

Western blot analysis of extracts from HeLa cells, using HARS antibody.



IF (Immunofluorescence)

AAA323797 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from rat brain, using HARS Antibody.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                   |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-HARS antibody | Function: Cytoplasmic histidine--tRNA ligase (Probable). Plays a role in axon guidance.<br>Subunit Structure: Homodimer.<br>Similarity: Belongs to the class-II aminoacyl-tRNA synthetase family. |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                               |
|----------------------------------|-----------------------------------------------|
| NCBI GI #                        | 384475552                                     |
| NCBI GeneID                      | 3035                                          |
| NCBI Accession #                 | NP_001244969.1                                |
| NCBI GenBank Nucleotide #        | NM_001258040.2                                |
| UniProt Accession #              | P12081; B4DHQ1; B4DY73; D6REN6; J3KNE5        |
| Molecular Weight                 | Observed: 60; 52 kD<br>Predicted: 58 kDa      |
| NCBI Official Full Name          | histidine--tRNA ligase, cytoplasmic isoform 2 |
| NCBI Official Synonym Full Names | histidyl-tRNA synthetase                      |
| NCBI Official Symbol             | HARS                                          |
| NCBI Official Synonym Symbols    | HRS; CMT2W; USH3B                             |

|                            |                                     |
|----------------------------|-------------------------------------|
| NCBI Protein Information   | histidine--tRNA ligase, cytoplasmic |
| UniProt Protein Name       | Histidine--tRNA ligase, cytoplasmic |
| UniProt Gene Name          | <b>HARS</b>                         |
| UniProt Synonym Gene Names | HRS; HisRS                          |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/hars-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/323797>