

HARS antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14656**Specification**

HARS antibody - N-terminal region - Product Information

Application	WB
Primary Accession	P12081
Other Accession	NM_002109 , NP_002100
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted Host	Human, Mouse, Rat, Rabbit, Chicken, Dog
Clonality	Rabbit
Calculated MW	Polyclonal 56kDa KDa

HARS antibody - N-terminal region - Additional Information**Gene ID** 3035**Alias Symbol** **FLJ20491, HRS, USH3B****Other Names**

Histidine--tRNA ligase, cytoplasmic, 6.1.1.21, Histidyl-tRNA synthetase, HisRS, HARS, HRS

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-HARS antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

HARS antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

HARS antibody - N-terminal region - Protein Information**Name** HARS1 ([HGNC:4816](#))**Synonyms** HARS, HRS**Function**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:29235198](http://www.uniprot.org/citations/29235198)). Plays a role in axon guidance ([PubMed:26072516](http://www.uniprot.org/citations/26072516)).

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:F1Q5D5}.

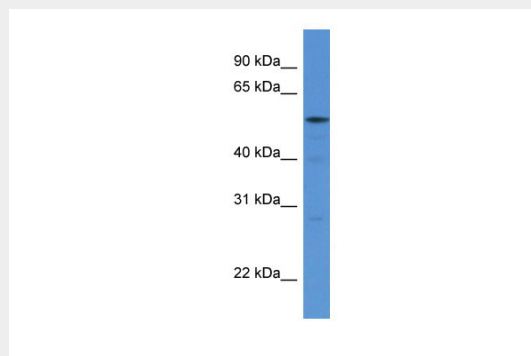
Tissue Location

Brain, heart, liver and kidney.

HARS antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

HARS antibody - N-terminal region - Images

WB Suggested Anti-HARS Antibody Titration: 1.0 µg/ml

Positive Control: 293T Whole Cell HARS is supported by BioGPS gene expression data to be expressed in HEK293T

HARS antibody - N-terminal region - References

- Raben N., et al. Nucleic Acids Res. 20:1075-1081(1992).
Tsui F.W.L., et al. Nucleic Acids Res. 15:3349-3367(1987).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Totoki Y., et al. Submitted (JUL-2006) to the EMBL/GenBank/DDBJ databases.
Schmutz J., et al. Nature 431:268-274(2004).