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HARS antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14656

Product Information

Application	WB
Primary Accession	P12081
Other Accession	NM_002109, NP_002100
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Chicken, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57411

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.

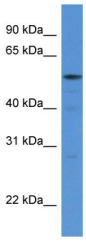
Protein Information

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). Plays a role in axon guidance (PubMed:26072516).
Cellular Location	Cytoplasm {ECO:0000250|UniProtKB:F1Q5D5}.
Tissue Location	Brain, heart, liver and kidney.

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).

Images



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