

Rabbit anti-Human, Mouse HARS Polyclonal Antibody | anti-HARS antibody

HARS Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA301389	Rabbit	Human, Mouse	Immunofluorescence, Western Blot

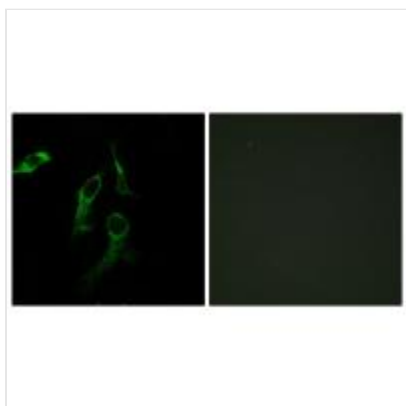
PRODUCT SYNONYMS

HARS; Polyclonal Antibody; HARS Antibody; EC 6.1.1.21; HRS; HisRS; histidine transase; histidine-tRNA ligase; anti-HARS antibody

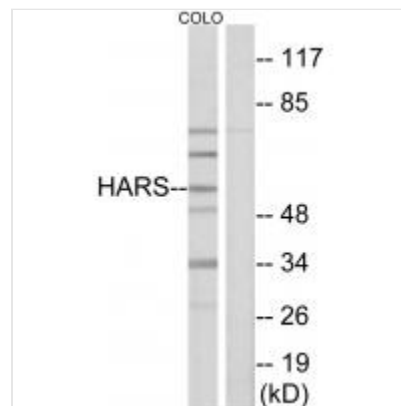
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total HARS protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	469
Applicable Applications for anti-HARS antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from C-terminal of human HARS.
Target Name	HARS
Preparation and Storage	Store at -20 degree C

IMAGES


IF (Immunofluorescence)

Immunofluorescence analysis of HepG2 ells, using HARS antibody.


WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-HARS antibody	Defects in HARS are a cause of Usher syndrome type 3B (USH3B). USH3B is a syndrome characterized by progressive vision and hearing loss during early childhood. Some patients have the so-called 'Charles Bonnet syndrome,' involving decreased visual acuity and vivid visual hallucinations. USH is a genetically heterogeneous condition characterized by the association of retinitis pigmentosa with sensorineural deafness. Age at onset and differences in auditory and vestibular function distinguish Usher syndrome type 1 (USH1), Usher syndrome type 2 (USH2) and Usher syndrome type 3 (USH3). USH3 is characterized by postlingual, progressive hearing loss, variable vestibular dysfunction, and onset of retinitis pigmentosa symptoms, including nyctalopia, constriction of the visual fields, and loss of central visual acuity, usually by the second decade of life. Belongs to the class-II aminoacyl-tRNA synthetase family.Raben N., Nucleic Acids Res. 20:1075-1081(1992).Tsui F.W.L., Nucleic Acids Res. 15:3349-3367(1987).Tsui H.W., Gene 131:201-208(1993).
Product Categories/Family for anti-HARS antibody	Total protein Ab

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	54,847 Da
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; USH3B
NCBI Protein Information	histidine--tRNA ligase, cytoplasmic
UniProt Protein Name	Histidine--tRNA ligase, cytoplasmic
UniProt Gene Name	HARS
UniProt Synonym Gene Names	HRS; HisRS
UniProt Entry Name	SYHC_HUMAN

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.