

Rabbit anti-Human Histidine-tRNA ligase Polyclonal Antibody | anti-HARS antibody

Rabbit anti-human Histidine-tRNA ligase, cytoplasmic polyclonal Antibody(HARS)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA119700	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, Western Blot, ELISA

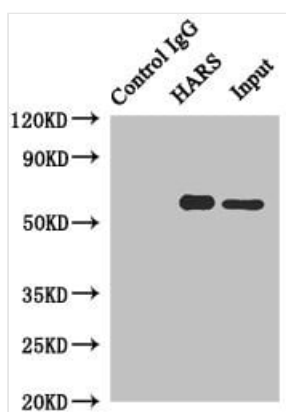
PRODUCT SYNONYMS

Histidine-tRNA ligase; Polyclonal Antibody; Rabbit anti-human Histidine-tRNA ligase; cytoplasmic polyclonal Antibody(HARS); Histidyl-tRNA synthetase; HisRS; HARS; HRS; anti-HARS antibody

PRODUCT SPECIFICATIONS

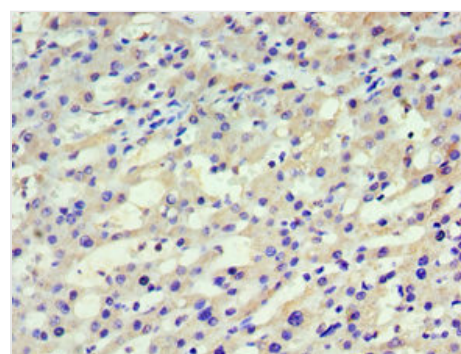
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Sequence Length	469
Applicable Applications for anti-HARS antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Conjugate	Non-conjugated
Immunogen	Recombinant human Histidine--tRNA ligase, cytoplasmic protein (1-180aa)
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-26881 / sc-26883
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



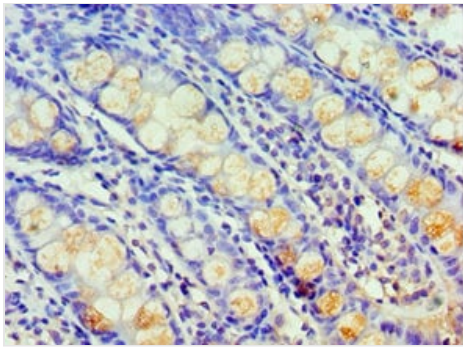
IP (Immunoprecipitation)

Immunoprecipitating HARS in HeLa whole cell lysate. Lane 1: Rabbit monoclonal IgG(1ug) instead of AAA119700 in HeLa whole cell lysate. For western blotting, a HRP-conjugated anti-rabbit IgG, specific to the non-reduced form of IgG was used as the Secondary antibody (1/50000). Lane 2: AAA119700(4ug)+ HeLa whole cell lysate(500ug). Lane 3: HeLa whole cell lysate (20ug)

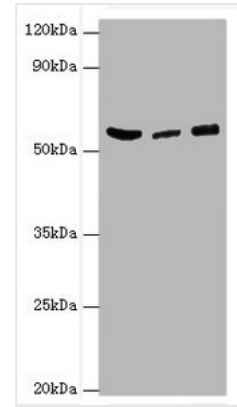


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human liver cancer using AAA119700 at dilution 1:100



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human rectum using AAA119700 at dilution 1:100



WB (Western Blot)
All lanes: Histidine--tRNA ligase, cytoplasmic antibody at 6ug/ml
Lane 1: HeLa whole cell lysate
Lane 2: K562 whole cell lysate
Lane 3: 293T whole cell lysate
Secondary: Goat polyclonal to rabbit at 1/10000 dilution
Predicted band size: 58,53,51,55 kDa
Observed band size: 57 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-HARS antibody	Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. The protein encoded by this gene is a cytoplasmic enzyme which belongs to the class II family of aminoacyl-tRNA synthetases. The enzyme is responsible for the synthesis of histidyl-transfer RNA, which is essential for the incorporation of histidine into proteins. The gene is located in a head-to-head orientation with HARS1 on chromosome five, where the homologous genes share a bidirectional promoter. The gene product is a frequent target of autoantibodies in the human autoimmune disease polymyositis/dermatomyositis. Several transcript variants encoding different isoforms have been found for this gene.
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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.