

Rabbit anti-Human LARS Polyclonal Antibody | anti-LARS antibody

LARS Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA243440	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

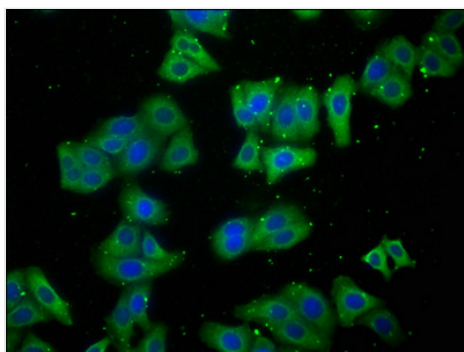
PRODUCT SYNONYMS

LARS; Polyclonal Antibody; LARS Antibody; Leucine--tRNA ligase; cytoplasmic (EC 6.1.1.4) (Leucyl-tRNA synthetase) (LeuRS); KIAA1352; anti-LARS antibody

PRODUCT SPECIFICATIONS

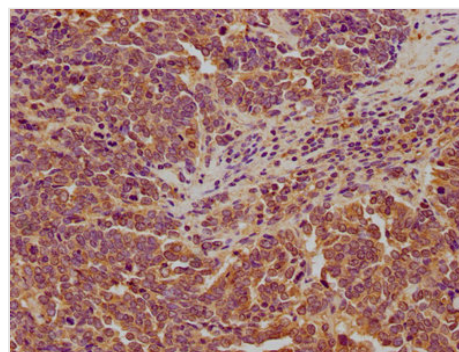
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G Purified
Form/Format	Liquid Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Applicable Applications for anti-LARS antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human Leucine--tRNA ligase, cytoplasmic protein (614-892AA)
Immunogen Species	Human
Conjugate	Non-conjugated
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



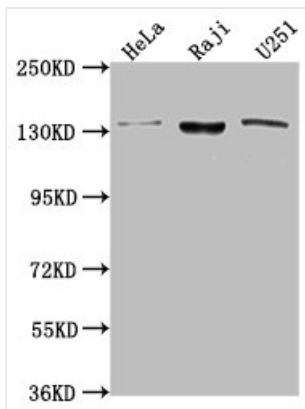
IF (Immunofluorescence)

Immunofluorescence staining of HepG2 cells with AAA243440 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IHC (Immunohistochemistry)

IHC image of AAA243440 diluted at 1:200 and staining in paraffin-embedded human lung cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



WB (Western Blot)
 Western BlotPositive WB detected in: HeLa whole cell lysate, Raji whole cell lysate, U251 whole cell lysateAll lanes: LARS antibody at 1:2000SecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 135, 129, 56 kDaObserved band size: 135 kDa

ADDITIONAL INFORMATION

Product Categories/Family for anti-LARS antibody	Epigenetics and Nuclear Signaling
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NCBI AND UNIPROT INFORMATION

NCBI GI #	108773810
NCBI GeneID	51520
NCBI Accession #	NP_064502.9
NCBI GenBank Nucleotide #	NM_020117.9
UniProt Accession #	Q9P2J5; Q9NSE1; A7E266
Molecular Weight	134,466 Da
NCBI Official Full Name	leucine--tRNA ligase, cytoplasmic
NCBI Official Synonym Full Names	leucyl-tRNA synthetase
NCBI Official Symbol	LARS
NCBI Official Synonym Symbols	LRS; LEUS; LARS1; LEURS; PIG44; RNTLS; HSPC192; hr025Cl
NCBI Protein Information	leucine--tRNA ligase, cytoplasmic; leucine translase; leucine-tRNA ligase; proliferation-inducing gene 44; cytosolic leucyl-tRNA synthetase; cytoplasmic leucyl-tRNA synthetase; leucine tRNA ligase 1, cytoplasmic; leucyl-tRNA synthetase, cytoplasmic
UniProt Protein Name	Leucine--tRNA ligase, cytoplasmic
UniProt Gene Name	LARS
UniProt Synonym Gene Names	KIAA1352; LeuRS
UniProt Entry Name	SYLC_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.