

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

LARS Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289855	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

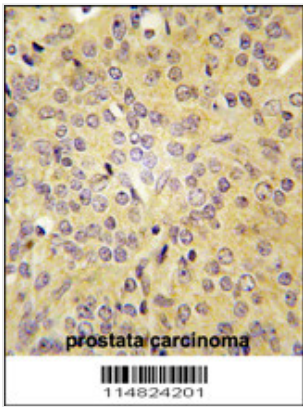
PRODUCT SYNONYMS

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

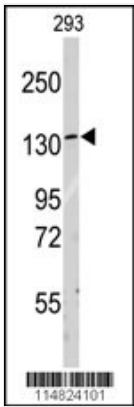
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This LARS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1118-1145 amino acids from the C-terminal region of human LARS.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	1118-1145
Sequence Length	485
Applicable Applications for anti-LARS antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human prostate carcinoma tissue reacted with LARS antibody (C-term) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of anti-LARS Antibody (C-term) in 293 cell line lysates (35ug/lane). LARS (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-LARS antibody	LARS, a cytosolic leucine-tRNA synthetase, a member of the class I aminoacyl-tRNA synthetase family. This enzyme catalyzes the ATP-dependent ligation of L-leucine to tRNA(Leu). It is found in the cytoplasm as part of a multisynthetase complex and interacts with the arginine tRNA synthetase through its C-terminal domain.
References	Lue,S.W.; Biochemistry 46 (15), 4466-4472 (2007) Ling,C., J. Biol. Chem. 280 (41), 34755-34763 (2005) Giles,R.E., Somatic Cell Genet. 6 (5), 667-687 (1980)

NCBI AND UNIPROT INFORMATION

NCBI GI #	108773810
NCBI GeneID	51520
NCBI Accession #	NP_064502.9
NCBI GenBank Nucleotide #	NM_020117.9
UniProt Accession #	Q9P2J5; Q2TU79; Q9NSE1; A2RRR4; A7E266; B4DJ10
Molecular Weight	134466
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; LFIS; ILFS1; LARS1; LEURS; PIG44; RNTLS; HSPC192; hr025CI
NCBI Protein Information	leucine--tRNA ligase, 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.

