

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

LARS Antibody (N-term)

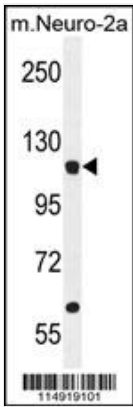
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287400	Rabbit	Mouse	Western Blot, ELISA, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

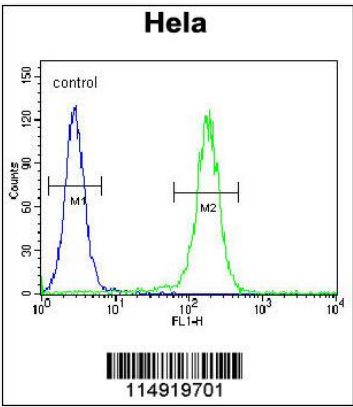
LARS; Polyclonal Antibody; LARS Antibody (N-term); Leucine--tRNA ligase; cytoplasmic; Leucyl-tRNA synthetase; LeuRS; KIAA1352; anti-LARS antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This LARS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 176-205 amino acids from the N-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	176-205
Sequence Length	485
Applicable Applications for anti-LARS antibody	WB (Western Blot), ELISA, FCM/FACS (Flow Cytometry)
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.



WB (Western Blot)
LARS Antibody (N-term) western blot analysis in mouse Neuro-2a cell line lysates (35ug/lane).This demonstrates the LARS antibody detected the LARS protein (arrow).



FCM/FACS (Flow Cytometry)
LARS Antibody (N-term) flow cytometric analysis of HeLa cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL INFORMATION

Related Product Information for anti-LARS antibody	This gene encodes a cytosolic leucine-tRNA synthetase, a member of the class I aminoacyl-tRNA synthetase family. The encoded 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. Alternatively spliced transcript variants of this gene have been found; however, their full-length nature is not known.
References	Pang, Y.L., et al. Biochemistry 48(38):8958-8964(2009) Seiradake, E., et al. J. Mol. Biol. 390(2):196-207(2009) Shin, S.H., et al. Exp. Mol. Med. 40(2):229-236(2008) Maeso, E., et al. Neuromuscul. Disord. 17(5):415-418(2007) Lue, S.W., et al. Biochemistry 46(15):4466-4472(2007)

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/lars-antibody-western-blot-flow-cytometry-elisa/287400>