

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

KARS Antibody (N-term)

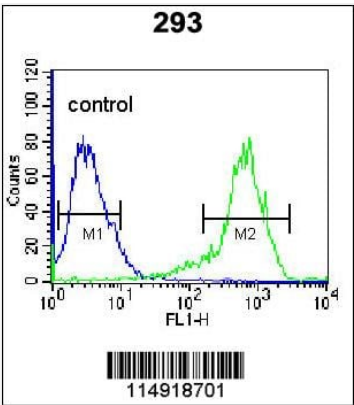
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287888	Rabbit	Human	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

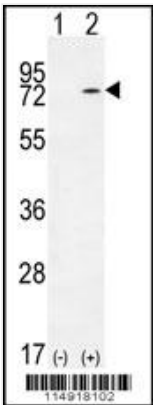
KARS; Polyclonal Antibody; KARS Antibody (N-term); Lysine--tRNA ligase; Lysyl-tRNA synthetase; LysRS; KIAA0070; anti-KARS antibody

PRODUCT SPECIFICATIONS

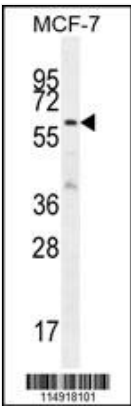
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This KARS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 70-98 amino acids from the N-terminal region of human KARS.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
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	70-98
Sequence Length	625
Applicable Applications for anti-KARS antibody	FCM/FACS (Flow Cytometry), 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.



FCM/FACS (Flow Cytometry)
KARS Antibody (N-term) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Western blot analysis of KARS (arrow) using rabbit polyclonal KARS Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the KARS gene.



WB (Western Blot)
KARS Antibody (N-term) western blot analysis in MCF-7 cell line lysates (35ug/lane).This demonstrates the KARS antibody detected the KARS protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-KARS antibody	Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. Lysyl-tRNA synthetase is a homodimer localized to the cytoplasm which belongs to the class II family of tRNA synthetases. It has been shown to be a target of autoantibodies in the human autoimmune diseases, polymyositis or dermatomyositis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-KARS antibody	Cancer; Neuroscience; Signal transduction
References	McLaughlin, H.M., et al. Am. J. Hum. Genet. 87(4):560-566(2010) Kepp, O., et al. Cell Cycle 9(15):3072-3077(2010) Segat, L., et al. Vaccine 28(10):2201-2206(2010) Dastani, Z., et al. Eur. J. Hum. Genet. 18(3):342-347(2010) Kawamata, H., et al. J. Biol. Chem. 283(42):28321-28328(2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	194272210
NCBI GeneID	3735

NCBI Accession #	NP_001123561.1; NP_005539.1
NCBI GenBank Nucleotide #	NM_001130089.1
UniProt Accession #	Q15046; O14946; Q96J25; Q9HB23; A8MSK1; D3DUK4
Molecular Weight	68048
NCBI Official Full Name	lysine--tRNA ligase isoform 1
NCBI Official Synonym Full Names	lysyl-tRNA synthetase
NCBI Official Symbol	KARS
NCBI Official Synonym Symbols	KRS; KARS1; KARS2; CMTRIB; DFNB89
NCBI Protein Information	lysine--tRNA ligase
UniProt Protein Name	Lysine--tRNA ligase
UniProt Gene Name	KARS
UniProt Synonym Gene Names	KIAA0070; LysRS
UniProt Entry Name	SYK_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/kars-antibody-flow-cytometry-western-blot-elisa/287888>