Datasheet for ABIN952985

anti-KARS antibody (N-Term)

3 Images

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Overview

Quantity:	0.4 mL
Target:	KARS
Binding Specificity:	AA 77-105, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KARS antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 77-105 amino acids from the N-terminal region of human KARS
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human KARS (N-term).
Purification:	Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS

Target Details

Target:	KARS
Alternative Name:	KARS (KARS Products)
Background:	Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate

Target Details

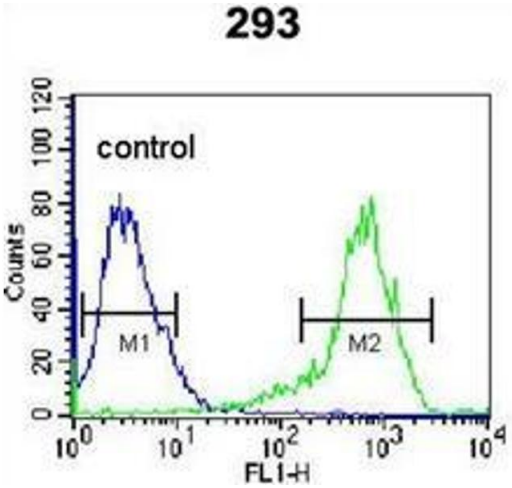
	amino acids. Lysyl-tRNA synthetase is a homodimer localized to the cytoplasm which belongs to the class II family of tRNA synthetases. It has been shown to be a target of autoantibodies in the human autoimmune diseases, polymyositis or dermatomyositis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.Synonyms: KIAA0070, LysRS, Lysine-tRNA ligase, Lysyl-tRNA synthetase
Molecular Weight:	68048 Da
Gene ID:	3735
NCBI Accession:	NP_001123561

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

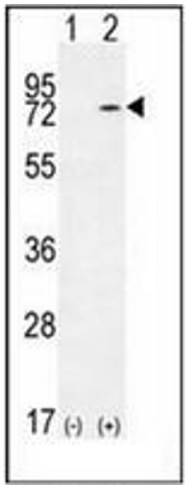
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



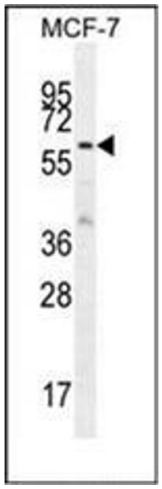
Flow Cytometry

Image 1. Flow cytometric analysis of 293 cells using KARS Antibody (N-term) Cat.-No AP52290PU-N (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. Western blot analysis of KARS (arrow) using KARS Antibody (N-term) Cat.-No AP52290PU-N. 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the KARS gene.



Western Blotting

Image 3. Western blot analysis of KARS Antibody (N-term) in MCF-7 cell line lysates (35ug/lane). This demonstrates the KARS antibody detected the KARS protein (arrow).