

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

KARS Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA229720	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

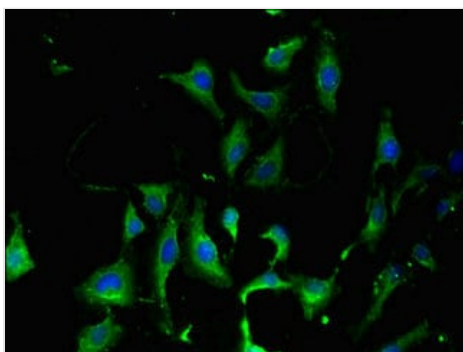
PRODUCT SYNONYMS

KARS; Polyclonal Antibody; KARS Antibody; Lysine--tRNA ligase; Lysyl-tRNA synthetase; LysRS; KIAA0070; anti-KARS antibody

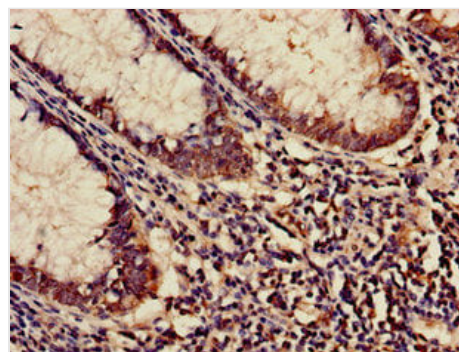
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%,Protein G purified
Form/Format	Liquid
Sequence Length	625
Applicable Applications for anti-KARS antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human Lysine--tRNA ligase protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-79253 / sc-79256 / sc-98559
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.

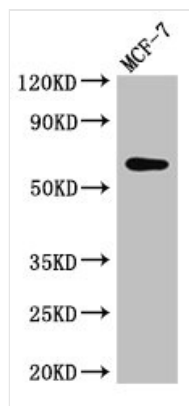
IMAGES


IHC (Immunohistochemisry)

Immunofluorescent analysis of Hela cells using AAA229720 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L


IHC (Immunohiostchemistry)

Immunohistochemistry of paraffin-embedded human colon cancer using AAA229720 at dilution of 1:100



WB (Western Blot)

Western Blot Positive WB detected in: MCF-7 whole cell lysate
 All lanes: KARS antibody at 2.5 µg/ml
 Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution
 Predicted band size: 69,72 kDa
 Observed band size: 69 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-KARS antibody

Catalyzes the specific attachment of an amino acid to its cognate tRNA in a 2 step reaction: the amino acid (AA) is first activated by ATP to form AA-AMP and then transferred to the acceptor end of the tRNA. When secreted, acts as a signaling molecule that induces immune response through the activation of monocyte/macrophages. Catalyzes the synthesis of diadenosine oligophosphate (Ap4A), a signaling molecule involved in the activation of MITF transcriptional activity. Interacts with HIV-1 virus GAG protein, facilitating the selective packaging of tRNA(3)(Lys), the primer for reverse transcription initiation.

NCBI AND UNIPROT INFORMATION

NCBI GI #	194272210
NCBI GeneID	3735
NCBI Accession #	NP_001123561.1
NCBI GenBank Nucleotide #	NM_001130089.1
UniProt Accession #	Q15046; O14946; Q96J25; Q9HB23; A8MSK1; D3DUK4
Molecular Weight	71,497 Da
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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/kars-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/229720>