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anti-KARS antibody (AA 101-400) (Biotin)



Overview

Quantity:	100 μg
Target:	KARS
Binding Specificity:	AA 101-400
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KARS antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human LysinetRNA ligase protein (101-400AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	KARS
Alternative Name:	KARS (KARS Products)
Background:	Background: 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 (PubMed:9278442, PubMed:18029264, PubMed:18272479). When secreted, acts as a signaling molecule that induces immune response through the activation of monocyte/macrophages (PubMed:15851690). Catalyzes the synthesis of the signaling molecule diadenosine tetraphosphate (Ap4A), and thereby mediates disruption of the complex between HINT1 and MITF and the concomitant activation of MITF transcriptional activity (PubMed:5338216, PubMed:14975237, PubMed:19524539, PubMed:23159739). (Microbial infection) Interacts with HIV-1 virus GAG protein, facilitating the selective packaging of tRNA3(Lys), the primer for reverse transcription initiation.

Aliases: CMTRIB antibody, DFNB89 antibody, EC 6.1.1.6 antibody, KARS 1 antibody, KARS 2 antibody, KARS antibody, KARS 1 antibody, KARS antibody, Lysine tRNA ligase antibody, Lysine—tRNA ligase antibody, LysRS antibody, Lysyl tRNA synthetase antibody, Lysyl-tRNA synthetase antibody, SYK_HUMAN antibody

UniProt:

Q15046

Application Details

Application Notes:

Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Optimal working dilution should be determined by the investigator.