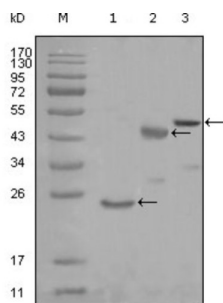
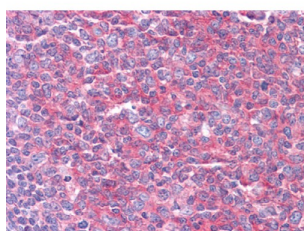


Lysyl-tRNA Synthetase (KARS) Antibody

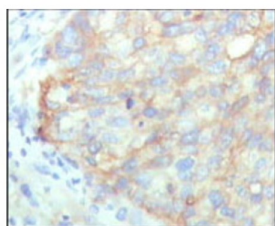
Catalogue No.: abx011059



Western blot analysis using KARS antibody against truncated Trx-KARS recombinant protein (1), truncated MBP-KARS (aa90-174) and full length KARS (aa1-188) transfected CHO-K1 cell lysate (3).



Immunohistochemical analysis of paraffin-embedded human cervical carcinoma, showing cytoplasmic localization with DAB staining using KARS antibody.



Immunohistochemical analysis of paraffin-embedded human Tonsil tissues using KARS antibody.

KARS: lysyl-tRNA synthetase. 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.

Target: Lysyl-tRNA Synthetase (KARS)

Clonality: Monoclonal

Reactivity: Human

Tested Applications: ELISA, IHC

Host: Mouse

Recommended dilutions: ELISA: 1/10000, IHC: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.

Datasheet

Version: 1.0.0
Revision date: 07 Jun 2025



Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of KARS (aa90-174) expressed in E. coli.
Isotype:	IgG ₁
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q15046 (UniProt , ExPASy)
Gene Symbol:	KARS1
GeneID:	3735
OMIM:	601421
HGNC:	6215
KEGG:	hsa:3735
Ensembl:	ENSG00000065427
String:	9606.ENSP00000325448
Molecular Weight:	74 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Concentration:	Not determined.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.