

KARS IHC Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP_005539.1

Catalog No. IHC-00471

GeneID 3735

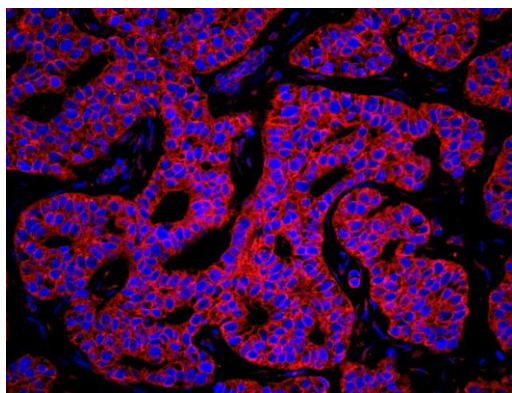
Lot No. IHC-00471-1



APPLICATIONS	IHC, IHC-IF
SPECIES REACTIVITY	Human
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Orangutan, Monkey, Gorilla, Chimpanzee, Northern white-cheeked gibbon, African elephant and Crab-eating macaque
AMOUNT	100 µl
CONCENTRATION	250 µg/ml
STORAGE/SHELF LIFE	2 – 8° C / 1 year from date of receipt
PHYSICAL STATE	Liquid
BUFFER	Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
ISOTYPE	IgG
ORIGIN	USA
PRODUCTION PROCEDURES	Antibody was affinity purified using an epitope specific to KARS immobilized on solid support. The epitope recognized by IHC-00471 maps to a region between residue 550 and the C-terminus (residue 597) of human Lysyl-tRNA Synthetase using the numbering given in entry NP_005539.1 (GeneID 3735). Immunoglobulin concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.
APPLICATIONS	Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use. Immunohistochemistry 1:100 – 1:500 Immunofluorescence 1:50 – 1:500 (IHC)
APPLICATION NOTES	Epitope exposure is recommended. Epitope exposure with tris-EDTA pH9.0 buffer will enhance staining. Likely to work with frozen sections. In some cases, the antibody may be diluted further than indicated.
IHC HUMAN CONTROLS	Breast Carcinoma, Colon Carcinoma, Linitis Plastica Stomach Cancer, Non-Small Cell Lung Cancer, Ovarian Carcinoma, Prostate Carcinoma, Stomach Adenocarcinoma, Testicular Seminoma
ADDITIONAL INFO	https://www.bethyl.com/product/IHC-00471 Use the link above to view SDS, a current list of citations, and other product specific information.

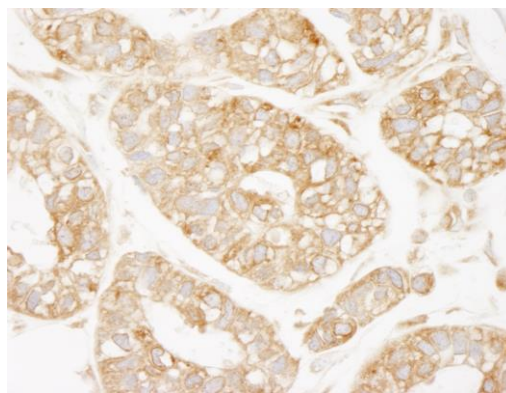
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Eric McIntush, PhD | Chief Scientific Officer

Date: June 21, 2019

**Detection of human KARS by immunohistochemistry.**

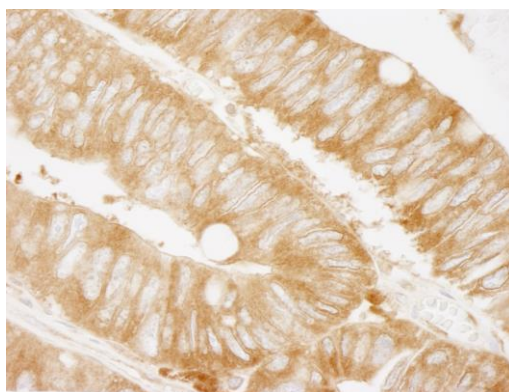
Sample: FFPE section of human breast carcinoma.

Antibody: Affinity purified rabbit anti-KARS (Cat. No. IHC-00471) used at a dilution of 1:100. *Detection:* Red-fluorescent goat anti-rabbit IgG highly cross-adsorbed Antibody Hilyte Plus™ 555 used at a dilution of 1:100.

**Detection of human KARS by immunohistochemistry.**

Sample: FFPE section of human breast carcinoma.

Antibody: Affinity purified rabbit anti-KARS (Cat. No. IHC-00471) used at a dilution of 1:250. *Detection:* DAB

**Detection of human KARS by immunohistochemistry.**

Sample: FFPE section of human colon carcinoma. *Antibody:* Affinity purified rabbit anti-KARS (Cat. No. IHC-00471) used at a dilution of 1:250. *Detection:* DAB