hnRNP-K Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Catalog No. A300-674A

Lot No. A300-674A-1

Protein ID NP_002131.2

GeneID 3190

APPLICATIONS	WB, IP, IHC
SPECIES REACTIVITY	Human, Mouse
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Rat, Bovine, Rabbit and Orangutan
AMOUNT	100 µl
CONCENTRATION	200 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 hnRNP-K immobilized on solid support. The epitope recognized by A300-674A maps to a region between residue 1 and 50 of human Heterogeneous Nuclear Ribonucleoprotein K using the numbering given in entries NP_002131.2 for hnRNP-K isoform a and NP_112552.1 for hnRNP-K isoform b (GeneID 3190). 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.

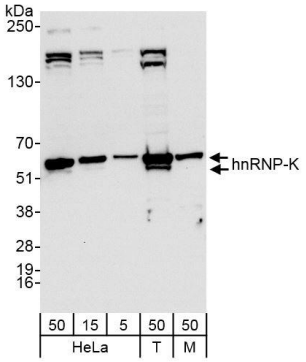
Western Blot	1:2,000 - 1:10,000
Immunoprecipitation	1 - 4 µg/mg lysate
Immunohistochemistry	1:500 - 1:2,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.

APPLICATION NOTES	Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020), Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-20% SDS-PAGE (link to IP-western blot protocol in Additional Info section below). Western blot of lysates performed using standard western blot reagents and 4-20% SDS-PAGE.
IHC HUMAN CONTROLS	Breast Carcinoma, Colon Carcinoma, Non-Small Cell Lung Cancer, Ovarian Carcinoma, Pancreatic Islet Cell Tumor, Stomach Adenocarcinoma
IHC MOUSE CONTROLS	Squamous Cell Carcinoma
ADDITIONAL INFO	https://www.bethyl.com/product/A300-674A Use the link above to view SDS, a current list of citations, and other product specific information. IP-western blot protocol https://www.bethyl.com/content/protocol_IP_WB

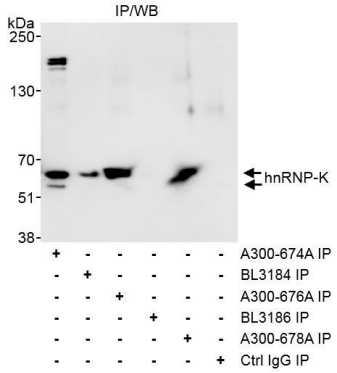
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.

Eric McIntush, PhD | Chief Scientific Officer

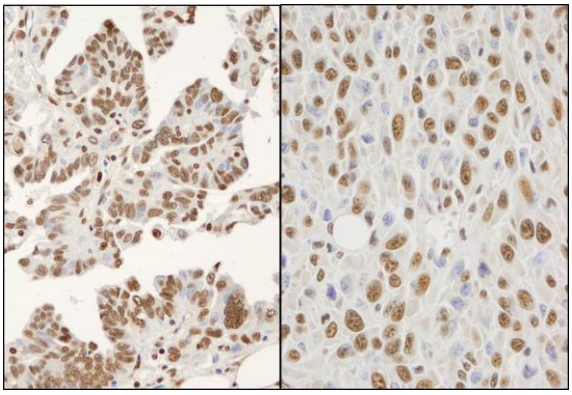
Date: October 29, 2019



Detection of human and mouse hnRNP-K by western blot. *Samples:* Whole cell lysate from HeLa (5, 15 and 50 µg), HEK293T (T; 50 µg) and mouse NIH 3T3 (M; 50 µg) cells. *Antibodies:* Affinity purified rabbit anti-hnRNP-K antibody A300-674A (lot A300-674A-1) used for WB at 0.04 µg/ml. *Detection:* Chemiluminescence with exposure time of 10 seconds.



Detection of human hnRNP-K by western blot of immunoprecipitates. *Samples:* Whole cell lysate (1 mg for IP, 20% of IP loaded) from HeLa cells. *Antibodies:* Affinity purified rabbit anti-hnRNP-K antibody A300-674A (lot A300-674A-1) used for IP at 3 µg/mg lysate. hnRNP-K was also immunoprecipitated by rabbit anti-hnRNP-K antibodies BL3184, A300-676A, BL3186 and A300-678A. For blotting immunoprecipitated hnRNP-K, A300-674A was used at 1 µg/ml. *Detection:* Chemiluminescence with exposure time of 10 seconds.



Detection of human and mouse hnRNP-K by immunohistochemistry. *Sample:* FFPE section of human ovarian carcinoma (left) and mouse squamous cell carcinoma (right). *Antibody:* Affinity purified rabbit anti-hnRNP-K (Cat. No. A300-674A Lot1) used at a dilution of 1:1,000 (0.2µg/ml). *Detection:* DAB