

RCH1 /KPNA2 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP_002257.1

Catalog No. A300-484A

GeneID 3838

Lot No. A300-484A-3



APPLICATIONS	WB, IP, IHC
SPECIES REACTIVITY	Human, Mouse
AMOUNT	100 µl
CONCENTRATION	1000 µg/ml
STORAGE/SHELF LIFE	2 - 8° C / 1 year from date of receipt
PHYSICAL STATE	Liquid
BUFFER	Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
ISOTYPE	IgG
ORIGIN	USA
PRODUCTION PROCEDURES	Antibody was affinity purified using an epitope specific to RCH1 /KPNA2 immobilized on solid support.

The epitope recognized by A300-484A maps to a region between residue 475 and the C-terminus (residue 529) of human RAG cohort 1 (Karyopherin Alpha 2) using the numbering given in entry NP_002257.1 (GeneID 3838).

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 1:10,000 - 1:25,000

Immunoprecipitation 2 - 10 µg/mg lysate

Immunohistochemistry 1:1,000 to 1:5,000. Epitope retrieval with citrate buffer pH6.0 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).

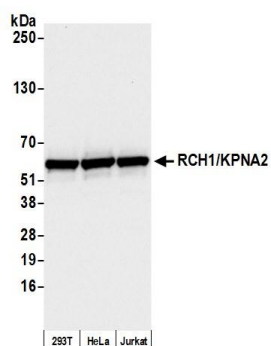
IHC HUMAN CONTROLS Western blot of lysates performed using standard western blot reagents and 4-20% SDS-PAGE. Bladder Cell Carcinoma, Breast Carcinoma, Colon Carcinoma, Laryngeal Squamous Cell Carcinoma, Small Cell Lung Cancer, Testicular Seminoma

IHC MOUSE CONTROLS Renal Cell Carcinoma, Squamous Cell Carcinoma, Teratoma

ADDITIONAL INFO <https://www.bethyl.com/product/A300-484A>

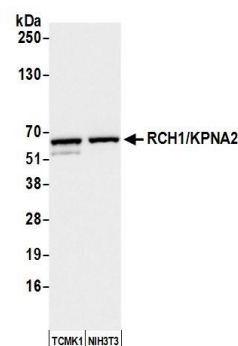
Use the link above to view SDS, a current list of citations, and other product specific information. IP-western blot protocol https://www.bethyl.com/content/protocol_IP_WB

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 1, 2019

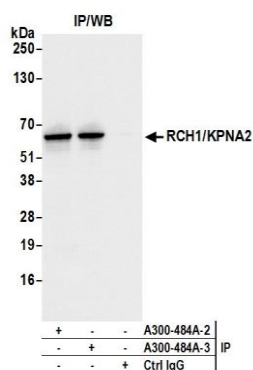
**Detection of human RCH1 /KPNA2 by western blot.**

Samples: Whole cell lysate (10 µg) from HEK293T, HeLa, and Jurkat cells prepared using NETN lysis buffer.

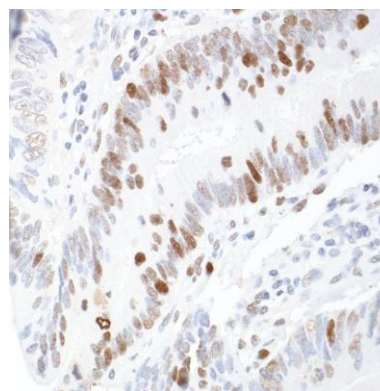
Antibody: Affinity purified rabbit anti-RCH1 /KPNA2 antibody A300-484A (lot A300-484A-3) used for WB at 0.04 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 seconds.

**Detection of mouse RCH1 /KPNA2 by western blot.**

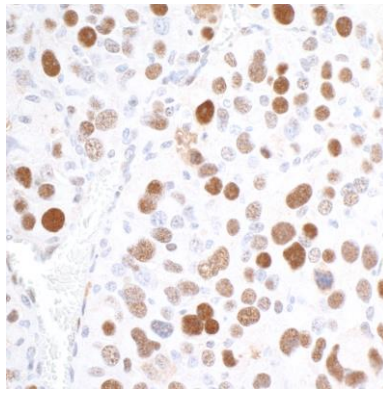
Samples: Whole cell lysate (10 µg) from TCMK-1 and NIH 3T3 cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-RCH1 /KPNA2 antibody A300-484A (lot A300-484A-3) used for WB at 0.04 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 seconds.



Detection of human RCH1 /KPNA2 by western blot of immunoprecipitates. *Samples:* Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-RCH1 /KPNA2 antibody A300-484A (lot A300-484A-3) used for IP at 6 µg per reaction. RCH1 /KPNA2 was also immunoprecipitated by a previous lot of this antibody (lot A300-484A-2). For blotting immunoprecipitated RCH1 /KPNA2, A300-484A was used at 0.04 µg/ml. *Detection:* Chemiluminescence with an exposure time of 1 second.



Detection of human RCH1 /KPNA2 by immunohistochemistry. *Sample:* FFPE section of human colon carcinoma. *Antibody:* Affinity purified rabbit anti-RCH1 /KPNA2 (Cat. No. A300-484A lot 3) used at 1:5,000 (0.2µg/ml). *Detection:* DAB



Detection of mouse RCH1 /KPNA2 by immunohistochemistry. *Sample:* FFPE section of mouse renal cell carcinoma. *Antibody:* Affinity purified rabbit anti-RCH1 /KPNA2 (Cat. No. A300-484A lot 3) used at 1:5,000 (0.2 μ g/ml). *Detection:* DAB