

# KPNA4 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP\_002259.1

Catalog No. A301-627A

GeneID 3840

Lot No. A301-627A-1



**APPLICATIONS** WB, IP, IHC

**SPECIES REACTIVITY** Human

**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 KPNA4 immobilized on solid support.

The epitope recognized by A301-627A maps to a region between residue 471 and 521 of human karyopherin alpha 4 using the numbering given in entry NP\_002259.1 (GeneID 3840).

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 2 - 5 µg/mg lysate

Immunohistochemistry 1:100 - 1:500. 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 4-8% SDS-PAGE (link to IP-western blot protocol in Additional Info section below).

Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.

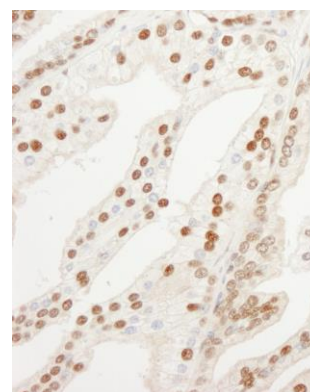
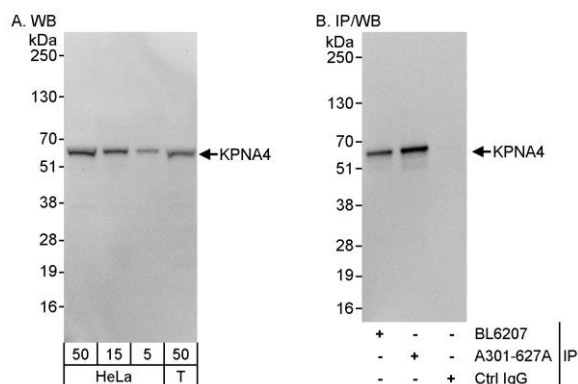
**IHC HUMAN CONTROLS** Ovarian Carcinoma, Prostate Carcinoma

**ADDITIONAL INFO** <https://www.bethyl.com/product/A301-627A>

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](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: June 21, 2019



**Detection of human KPNA4 by western blot and immunoprecipitation.** *Samples:* Whole cell lysate from HeLa (5, 15 and 50 µg for WB; 1 mg for IP, 20% of IP loaded) and HEK293T (T; 50 µg) cells. *Antibodies:* Affinity purified rabbit anti-KPNA4 antibody A301-627A used for WB at 0.04 µg/ml (A) and 0.4 µg/ml (B) and used for IP at 3 µg/mg lysate. KPNA4 was also immunoprecipitated by rabbit anti-KPNA4 antibody BL6207, which recognizes an upstream epitope. *Detection:* Chemiluminescence with exposure times of 3 seconds (A) and 0.5 seconds (B).

**Detection of human KPNA4 by immunohistochemistry.** *Sample:* FFPE section of human prostate carcinoma. *Antibody:* Affinity purified rabbit anti-KPNA4 (Cat. No. A301-627A Lot1) used at a dilution of 1:200 (1 µg/ml). *Detection:* DAB