## **NUP50 Antibody**

Rabbit Polyclonal

Antigen Affinity Purified Protein ID NP\_009103.2

Catalog No. A301-782A GeneID 10762

Lot No. A301-782A-1

APPLICATIONS WB, IP, IHC
SPECIES REACTIVITY Human

AMOUNT 100 μl

CONCENTRATION 1000 μg/m

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 NUP50 immobilized on solid support.

The epitope recognized by A301-782A maps to a region between residue 225 and 275 of human

nucleoporin 50kDa using the numbering given in entry NP\_009103.2 (GeneID 10762).

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 1:500 - 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. \$100–020),

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, Ovarian Carcinoma, Prostate Carcinoma

ADDITIONAL INFO https://www.bethyl.com/product/A301-782A

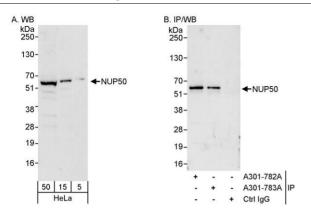
Use the link above to view SDS, a current list of citations, and other product specific information.

IP-western blot protocol: https://www.bethyl.com/content/protocol\_IP\_WB

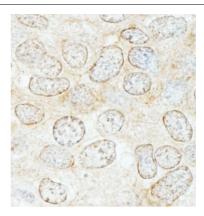
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc. Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019



NUP50 Antibody A301-782A



Detection of human NUP50 by western blot and immunoprecipitation. Samples: Whole cell lysate (5, 15 and 50 μg for WB; 1 mg for IP, 20% of IP loaded) from HeLa cells. Antibody: Affinity purified rabbit anti–NUP50 antibody A301–782A used for WB at 0.1 μg/ml (A) and 1 μg/ml (B) and used for IP at 3 μg/mg lysate. NUP50 was also immunoprecipitated by rabbit anti–NUP50 antibody A301–783A, which recognizes a downstream epitope. Detection: Chemiluminescence with exposure times of 30 seconds (A) and 3 seconds (B).



Detection of human NUP50 by immunohistochemistry. *Sample:* FFPE section of human breast carcinoma. *Antibody:* Affinity purified rabbit anti- NUP50 (Cat. No. A301-782A Lot1) used at a dilution of 1:1,000 (1µg/ml). *Detection:* DAB