KIF14 Antibody

Rabbit Polyclonal

Antigen Affinity Purified Protein ID NP_055690.1

Catalog No. A300-912A GenelD 9928

Lot No. A300-912A-1

APPLICATIONS WB, IP, IHC, ICC-IF

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 KIF14 immobilized on solid support.

The epitope recognized by A300-912A maps to a region between residue 1600 and the C-terminus (residue 1648) of human Kinesin Family Member 14 using the numbering given in entry

NP_055690.1 (GeneID 9928).

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 1:200 – 1:1,000. Epitope retrieval with Tris-EDTA pH 9.0 is

recommended for FFPE tissue sections.

Immunofluorescence

(ICC)

1:200 - 1:1,000. Formaldehyde fixation is recommended. Permeabilization with Triton-X 100 is recommended for

formaldehyde-fixed cells.

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 Breast Carcinoma, Colon Carcinoma, Prostate Carcinoma, HeLa Cells

ADDITIONAL INFO https://www.bethyl.com/product/A300-912A

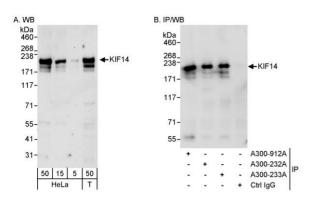
Use the link above to view SDS, a current list of citations, and other product specific information.

IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB

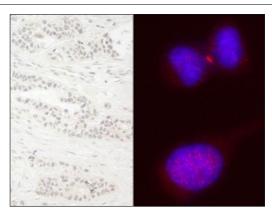
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc. Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019



KIF14 Antibody A300-912A



Detection of human KIF14 by western blot and immunoprecipitation. Samples: Whole cell lysate from HeLa (5, 15 and 50 μ g for WB; 1 mg for IP, 20% of IP loaded) and HEK293T (T; 50 μ g) cells. Antibodies: Affinity purified rabbit anti–KIF14 antibody A300–912A used for WB at 0.04 μ g/ml (A) and 1 μ g/ml (B) and used for IP at 3 μ g/mg lysate (B). KIF14 was also immunoprecipitated by rabbit anti–KIF14 antibodies A300–232A and A300–233A, which recognize upstream epitopes. Detection: Chemiluminescence with exposure times of 3 minutes (A) and 10 seconds (B).



Detection of human KIF14 by immunohistochemistry and immunocytochemistry. Sample: FFPE section of human breast carcinoma (left) and formaldehyde-fixed HeLa cells (right). Antibody: Affinity purified rabbit anti-KIF14 (Cat. No. A300-912A Lot1) used at a dilution of 1:200 (1µg/ml) and 1:100 (2µg/ml). Detection: DAB (left) and red-fluorescent goat anti-rabbit IgG highly cross-adsorbed Antibody used at a dilution of 1:100 (right).