

# KIFC1 Antibody

Rabbit Polyclonal

Antigen Affinity Purified Protein ID NP\_002254.1

Catalog No. A300-951A GeneID 3833

Lot No. A300-951A-1



<b>APPLICATIONS</b>	WB, IP, IHC
<b>SPECIES REACTIVITY</b>	Human
<b>AMOUNT</b>	100 µl
<b>CONCENTRATION</b>	1000 µg/ml
<b>STORAGE/SHELF LIFE</b>	2 - 8° C / 1 year from date of receipt
<b>PHYSICAL STATE</b>	Liquid
<b>BUFFER</b>	Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
<b>ISOTYPE</b>	IgG
<b>ORIGIN</b>	USA
<b>PRODUCTION PROCEDURES</b>	Antibody was affinity purified using an epitope specific to KIFC1 immobilized on solid support.

The epitope recognized by A300-951A maps to a region between residue 1 and 50 of human Kinesin Family Member C1 (Mitotic Kinesin-Like Protein 2) using the numbering given in entry NP\_002254.1 (GeneID 3833).

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 1:1,000 - 1:5,000. Epitope retrieval with Tris-EDTA pH 9.0 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).

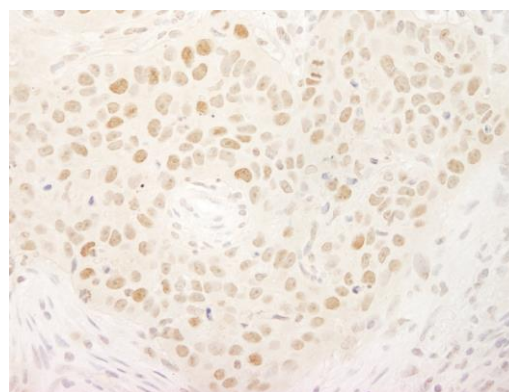
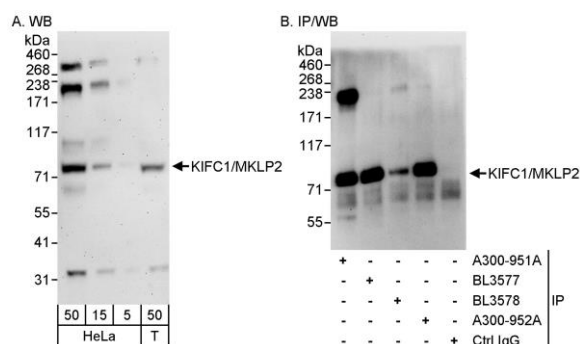
**IHC HUMAN CONTROLS** Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE. Ovarian Carcinoma

**ADDITIONAL INFO** <https://www.bethyl.com/product/A300-951A>

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 KIFC1/MKLP2 by western blot and immunoprecipitation.** *Samples:* Whole cell lysate from HeLa (5, 15 and 50  $\mu$ g for WB; 1 mg for IP, 20% of IP loaded) and HEK293T (T; 50  $\mu$ g) cells. *Antibodies:* Affinity purified rabbit anti-KIFC1/MKLP2 antibody A300-951A used for WB at 0.1  $\mu$ g/ml (A) and 1  $\mu$ g/ml (B) and used for IP at 3  $\mu$ g/mg lysate (B). KIFC1/MKLP2 was also immunoprecipitated by rabbit anti-KIFC1/MKLP2 antibodies BL3577, BL3578 and A300-952A, which recognize downstream epitopes. *Detection:* Chemiluminescence with exposure times of 3 minutes (A) and 30 seconds (B).

**Detection of human KIFC1/MKLP2 by immunohistochemistry.** *Sample:* FFPE section of human ovarian carcinoma. *Antibody:* Affinity purified rabbit anti-KIFC1/MKLP2 (Cat. No. A300-951A Lot1) used at a dilution of 1:5,000 (0.2 $\mu$ g/ml). *Detection:* DAB