

KIF4A Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP_036442.3

Catalog No. A301-074A

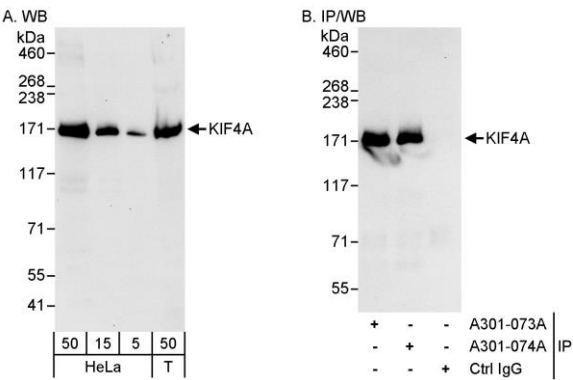
GeneID 24137

Lot No. A301-074A-1



APPLICATIONS	WB, IP
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 KIF4A immobilized on solid support. The epitope recognized by A301-074A maps to a region between residue 1182 and the C-terminus (residue 1232) of human kinesin family member 4A using the numbering given in entry NP_036442.3 (GeneID 24137). 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
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.
ADDITIONAL INFO	https://www.bethyl.com/product/A301-074A 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



Detection of human KIF4A 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-KIF4A antibody A301-074A 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. KIF4A was also immunoprecipitated by rabbit anti-KIF4A antibody A301-073A, which recognizes an upstream epitope. *Detection:* Chemiluminescence with exposure times of 30 seconds (A) and 10 seconds (B).