DYNC1I2 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Catalog No. A304-529A

Lot No. A304-529A-1

Protein ID NP_001369.1

GeneID 1781

APPLICATIONS	WB, IP, IHC
SPECIES REACTIVITY	Human, Mouse
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Rat, Bovine and Orangutan
AMOUNT	100 µl
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 DYNC1I2 immobilized on solid support. The epitope recognized by A304-529A maps to a region between residue 588 to 638 of human Dynein, Cytoplasmic 1, Intermediate Chain 2 using the numbering given in entry NP_001369.1 (GeneID 1781). Antibody 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.

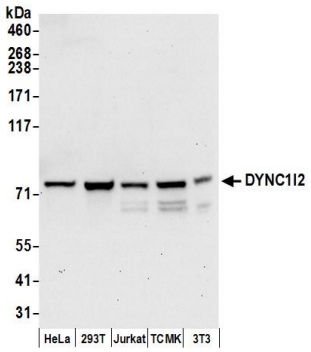
Western Blot	1:2,000 - 1:10,000
Immunoprecipitation	2 - 10 µg/mg lysate
Immunohistochemistry	1:500 - 1:2,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.

APPLICATION NOTES	Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. 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, Ovarian Carcinoma, Prostate Carcinoma
IHC MOUSE CONTROLS	Teratoma
ADDITIONAL INFO	https://www.bethyl.com/product/A304-529A 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

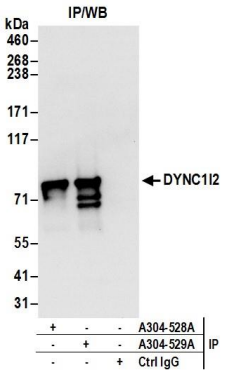
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.

Eric McIntush, PhD | Chief Scientific Officer

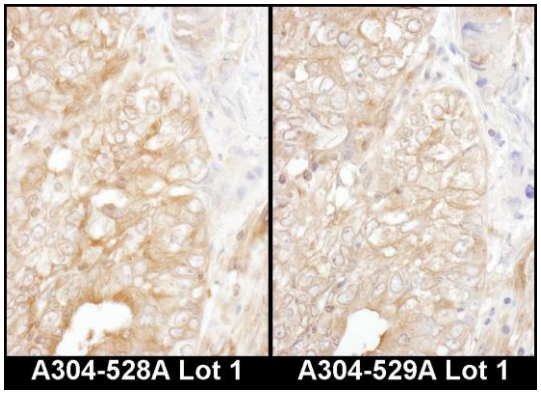
Date: June 21, 2019



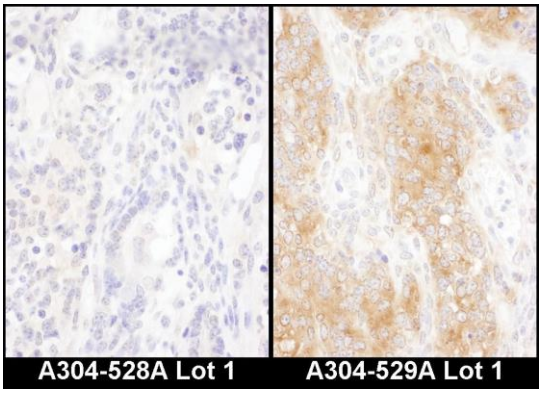
Detection of human and mouse DYNC1I2 by western blot. *Samples:* Whole cell lysate (50 µg) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-DYNC1I2 antibody A304-529A (lot A304-529A-1) used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.



Detection of human DYNC1I2 by western blot of immunoprecipitates. *Samples:* Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from 293T cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-DYNC1I2 antibody A304-529A (lot A304-529A-1) used for IP at 6 µg per reaction. DYNC1I2 was also immunoprecipitated by rabbit anti-DYNC1I2 antibody A304-528A. For blotting immunoprecipitated DYNC1I2, A304-529A was used at 1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 seconds.



Detection of human DYNC1I2 by immunohistochemistry. *Samples:* FFPE serial sections of human lung cancer. *Antibody:* Affinity purified rabbit anti- DYNC1I2 (Cat. No. A304-528A Lot1, left image and Cat. No. A304-529A Lot1, right image) used at a dilution of 1:1,000 (1µg/ml). *Detection:* DAB



Detection of mouse DYNC1I2 by immunohistochemistry. *Samples:* FFPE serial sections of mouse teratoma. *Antibody:* Affinity purified rabbit anti- DYNC1I2 (Cat. No. A304-528A Lot1, left image and Cat. No. A304-529A Lot1, right image) used at a dilution of 1:1,000 (1µg/ml). *Detection:* DAB