

# MYH14/Myosin-14 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID Q7Z406.2

Catalog No. A305-271A

GeneID 79784

Lot No. A305-271A-1



APPLICATIONS	WB, IP
SPECIES REACTIVITY	Human
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 MYH14/Myosin-14 immobilized on solid support.

The epitope recognized by A305-271A maps to a region between residue 1945 to 1995 of human Myosin-14 using the numbering given in entry Q7Z406.2 (GeneID 79784).

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

**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).

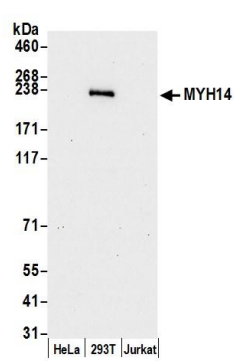
Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.

**ADDITIONAL INFO** <https://www.bethyl.com/product/A305-271A>

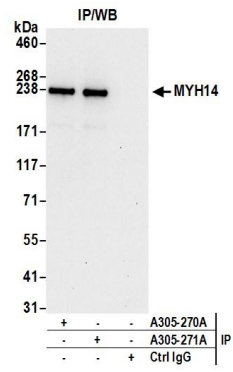
Use the link above to view SDS, a current list of citations, and other product specific information.

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 MYH14 by western blot.** *Samples:* Whole cell lysate (15 µg) from HeLa, HEK293T, and Jurkat cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-MYH14 antibody A305-271A (lot A305-271A-1) used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.



**Detection of human MYH14 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-MYH14 antibody A305-271A (lot A305-271A-1) used for IP at 6 µg per reaction. MYH14 was also immunoprecipitated by rabbit anti-MYH14 antibody A305-270A. For blotting immunoprecipitated MYH14, A305-271A was used at 1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 10 seconds.