

# MCAK Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP\_006836.1

Catalog No. A300-807A-T

GeneID 11004

Lot No. A300-807A-T-2

**APPLICATIONS** WB, IP

**SPECIES REACTIVITY** Human

**AMOUNT** 10 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 MCAK immobilized on solid support.

The epitope recognized by A300-807A-T maps to a region between residue 550 and 600 of human Mitotic Centromere-Associated Kinesin using the numbering given in entry NP\_006836.1 (GeneID 11004).

**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

**ADDITIONAL INFO** <https://www.bethyl.com/product/A300-807A-T>

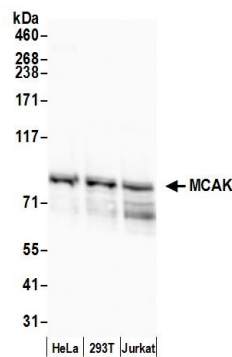
Use the link above to view SDS, a current list of citations, and other product specific information.

IP-western blot protocol: [https://www.bethyl.com/content/protocol\\_IP\\_WB](https://www.bethyl.com/content/protocol_IP_WB)

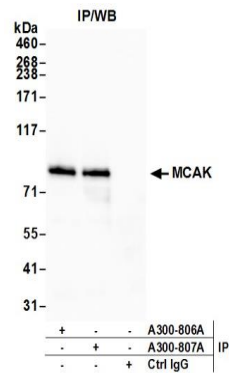
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.

Michael Spencer, PhD

Date: June 6, 2022



**Detection of human MCAK by western blot.** *Samples:* Whole cell lysate (50 µg) from HeLa, HEK293T, and Jurkat cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-MCAK antibody A300-807A (lot A300-807A-2) used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.



**Detection of human MCAK by western blot of immunoprecipitates.** *Samples:* Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-MCAK antibody A300-807A (lot A300-807A-2) used for IP at 3 µg per reaction. MCAK was also immunoprecipitated by rabbit anti-MCAK antibody A300-806A. For blotting immunoprecipitated MCAK, A300-807A was used at 1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 10 seconds.