MCAK Antibody

Rabbit Polyclonal

Antigen Affinity Purified Protein ID NP_608301.2

Catalog No. A300-922A GeneID 73804

Lot No. A300-922A-1

APPLICATIONS IP

SPECIES REACTIVITY Mouse 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 MCAK immobilized on solid support.

The epitope recognized by A300–922A maps to a region between residue 550 and 600 of mouse

Mitotic Centromere–Associated Kinesin using the numbering given in entry NP_608301.2

(GeneID 73804).

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 Not recommended. Use rabbit anti-MCAK antibody A300-921A.

Immunoprecipitation 2 – 5 µg/mg lysate. A300–921A is less efficient at IP than is A300–

922A.

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).

ADDITIONAL INFO https://www.bethyl.com/product/A300-922A

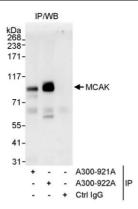
Use the link above to view SDS, a current list of citations, and other product specific information.

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



MCAK Antibody A300-922A



Detection of mouse MCAK by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg for IP, 20% of IP loaded) from NIH 3T3 cells. Antibodies: Affinity purified rabbit anti-MCAK antibody A300-922A used for IP at 3 μg/mg lysate. MCAK was also immunoprecipitated by rabbit anti-MCAK antibody A300-921A, which recognizes an upstream epitope. For blotting immunoprecipitated MCAK, A300-921A was used at 1 μg/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.