MCAK Antibody

Rabbit Polyclonal
Antigen Affinity Purified
Catalog No. A300-921A
Lot No. A300-921A-1

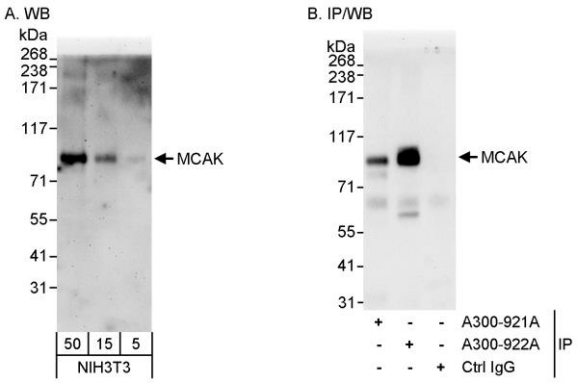
Protein ID NP_608301.2
GeneID 73804

APPLICATIONS	WB, IP, IHC
SPECIES REACTIVITY	Mouse
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Rat
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 A300-921A maps to a region between residue 50 and 100 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.

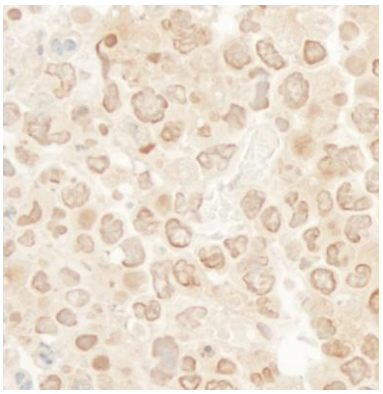
Western Blot	1:2,000 - 1:10,000
Immunoprecipitation	2 - 5 µg/mg lysate. A300-921A is less efficient at IP than is A300-922A.
Immunohistochemistry	1:500 - 1:2,000. Epitope retrieval with Tris-EDTA pH 9.0 is recommended for FFPE tissue sections.

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 MOUSE CONTROLS	Hybridoma Tumor
ADDITIONAL INFO	https://www.bethyl.com/product/A300-921A 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 mouse MCAK by western blot and immunoprecipitation. *Samples:* Whole cell lysate (5, 15 and 50 µg for WB; 1 mg for IP, 20% of IP loaded) from NIH 3T3 cells. *Antibodies:* Affinity purified rabbit anti-MCAK antibody A300-921A used for WB at 0.1 µg/ml (A) and 1.0 µg/ml (B) and used for IP at 3 µg/mg lysate (B). MCAK was also immunoprecipitated by rabbit anti-MCAK antibody A300-922A, which recognizes a downstream epitope. *Detection:* Chemiluminescence with exposure times of 3 minutes (A) and 30 seconds (B).



Detection of mouse MCAK by immunohistochemistry. *Sample:* FFPE section of mouse hybridoma tumor. *Antibody:* Affinity purified rabbit anti-MCAK (Cat. No. A300-921A Lot1) used at a dilution of 1:1,000 (1µg/ml). *Detection:* DAB