

MCM3 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP_002379.2

Catalog No. A300-192A

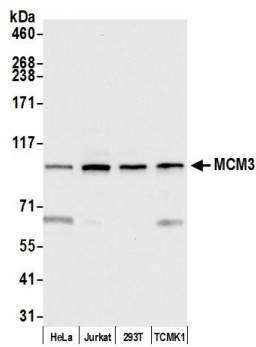
GeneID 4172

Lot No. A300-192A-4



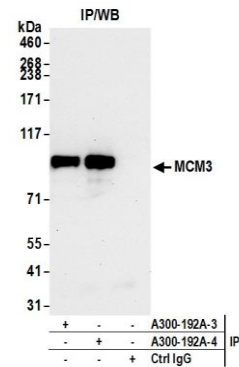
APPLICATIONS	WB, IP, IHC						
SPECIES REACTIVITY	Human, Mouse						
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Orangutan						
AMOUNT	100 µl						
CONCENTRATION	1000 µg/ml						
STORAGE/SHELF LIFE	2 – 8° C / 1 year from date of receipt						
PHYSICAL STATE	Liquid						
BUFFER	Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide						
ISOTYPE	IgG						
ORIGIN	USA						
PRODUCTION PROCEDURES	<p>Antibody was affinity purified using an epitope specific to MCM3 immobilized on solid support.</p> <p>The epitope recognized by A300-192A maps to a region between residues 500 and 550 of human Minichromosome Maintenance 3 using the numbering given in entry NP_002379.2 (GeneID 4172).</p> <p>Immunoglobulin concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.</p>						
APPLICATIONS	<p>Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.</p> <table><tr><td>Western Blot</td><td>1:10,000 – 1:25,000</td></tr><tr><td>Immunoprecipitation</td><td>2 – 10 µg/mg lysate. Use MCM2 antibody A300-191A or MCM5 antibody A300-195A to IP the MCM complex.</td></tr><tr><td>Immunohistochemistry</td><td>1:1,000 to 1:5,000. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections.</td></tr></table>	Western Blot	1:10,000 – 1:25,000	Immunoprecipitation	2 – 10 µg/mg lysate. Use MCM2 antibody A300-191A or MCM5 antibody A300-195A to IP the MCM complex.	Immunohistochemistry	1:1,000 to 1:5,000. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections.
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APPLICATION NOTES	<p>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).</p> <p>Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.</p>						
IHC HUMAN CONTROLS	Breast Carcinoma, Colon Carcinoma, Ovarian Carcinoma						
ADDITIONAL INFO	<p>https://www.bethyl.com/product/A300-192A</p> <p>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</p>						

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: September 6, 2019



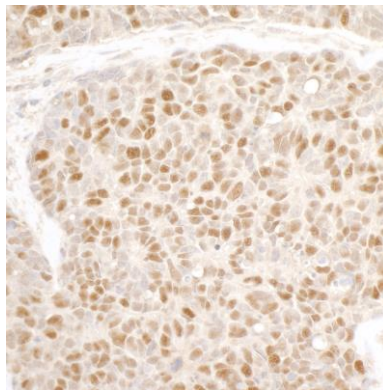
Detection of human and mouse MCM3 by western blot.

Samples: Whole cell lysate (10 µg) from HeLa, Jurkat, HEK293T, and TCMK-1 cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-MCM3 antibody A300-192A (lot A300-192A-4) used for WB at 0.04 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 seconds.



Detection of human MCM3 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-MCM3 antibody A300-192A (lot A300-192A-4) used for IP at 6 µg per reaction. MCM3 was also immunoprecipitated by a previous lot of this antibody (lot A300-192A-3). For blotting immunoprecipitated MCM3, A300-192A was used at 0.04 µg/ml. *Detection:* Chemiluminescence with an exposure time of 10 seconds.



Detection of human MCM3 by immunohistochemistry.

Sample: FFPE section of human small cell lung cancer. *Antibody:* Affinity purified rabbit anti-MCM3 (Cat. No. A300-192A lot 4) used at a dilution of 1:1,000 (1 µg/ml). *Detection:* DAB