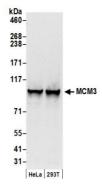
## MCM3 Antibody

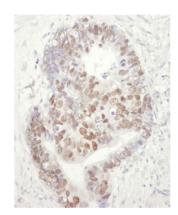
| Goat Polyclonal           |                       |   |            |   |  |                   |
|---------------------------|-----------------------|---|------------|---|--|-------------------|
| Antigen Affinity Purified |                       |   | Protein ID | NP_002379.2   |  |                   |
| Catalog No.               | Catalog No. A300–124A |   | GenelD     | 4172  |  | DETUVI            |
| Lot No.                   | A300-                 | 124A-1  |            |   |  | LABORATORIES, INC |
| APPLICATIONS              |                       | WB, IHC   |            |   |  |                   |
| SPECIES REACTIVITY        |                       | Human   |            |   |  |                   |
| 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                |                       | Antibody was affinity purified using an epitope specific to MCM3 immobilized on solid support.  |            |   |  |                   |
| PROCEDURES                |                       | The epitope recognized by A300–124A 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). |            |   |  |                   |
|                           |                       | 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                                     |  |                   |
|                           |                       | Immunohistoch   |            | 00 – 1:1,000. Epitope re<br>ommended for FFPE tissi |  | uffer pH 6.0 is   |
| APPLICATION NOTES         |                       | Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.   |            |   |  |                   |
| IHC HUMAN CONTROLS        |                       | Breast Carcinoma, Colon Carcinoma, Ovarian Carcinoma  |            |   |  |                   |
| ADDITIONAL INFO           |                       | https://www.bethyl.com/product/A300-124A<br>Use the link above to view SDS, a current list of citations, and other product specific information.                                      |            |   |  |                   |

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

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Detection of human MCM3 by western blot. Samples: Whole cell lysate (50  $\mu$ g) from HeLa and HEK293T cells prepared using NETN lysis buffer. *Antibody:* Affinity purified goat anti-MCM3 antibody A300-124A (lot A300-124A-1) used for WB at 0.1  $\mu$ g/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.



**Detection of human MCM3 by immunohistochemistry.** *Sample:* FFPE section of human colon carcinoma. *Antibody:* Affinity purified goat anti-MCM3 (Cat. No. A300-124A Lot1) used at a dilution of 1:1,000 (1µg/ml). *Detection:* DAB

Bethyl Laboratories, Inc. • 25043 West FM 1097 • Montgomery, TX 77356 • 800.338.9579 • 936.597.6111 • 866.597.6105 (FAX) • www.bethyl.com • technical@bethyl.com