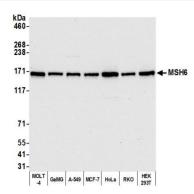
## MSH6 Recombinant Monoclonal Antibody [BLR117H]

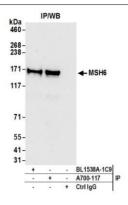
| Rabbit Recombinant Monoclonal |          |   |            |  |   |                   |  |
|-------------------------------|----------|---|------------|--|---|-------------------|--|
| Purified                      |          |   | Protein ID | NP_000170.1  |   |                   |  |
| Catalog No.                   | A700-117 |   | GenelD     | 2956   |   | DETUVI            |  |
| Lot No.                       | A700-1   | 117-1   |            |  |   | LABORATORIES, INC |  |
| APPLICATIONS                  |          | WB, IP, IHC, ICC  |            |  |   |                   |  |
| SPECIES REACTIVITY            |          | Human   |            |  |   |                   |  |
| AMOUNT                        |          | 100 µl (50+ tests)  |            |  |   |                   |  |
| CONCENTRATION                 |          | 250 μg/ml   |            |  |   |                   |  |
| STORAGE/SHELF LIFE            |          | 2 - 8° C / 1 year from date of receipt  |            |  |   |                   |  |
| PHYSICAL STATE                |          | Liquid  |            |  |   |                   |  |
| BUFFER                        |          | Borate Buffered Saline (BBS) pH 8.2 with 0.1% BSA and 0.09% Sodium Azide  |            |  |   |                   |  |
| ISOTYPE                       |          | IgG   |            |  |   |                   |  |
| CLONE #                       |          | BLR117H   |            |  |   |                   |  |
| ORIGIN                        |          | USA   |            |  |   |                   |  |
| PRODUCTION<br>PROCEDURES      |          | Recombinant antibody was purified from cell culture supernatant.  |            |  |   |                   |  |
|                               |          | Immunogen was a peptide representing a region between residue 1310 and the C-terminus (residue 1360) of human DNA mismatch repair protein Msh6 using the numbering given in entry NP_000170.1 (Gene ID 2956). |            |  |   |                   |  |
| 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:         | 1,000  |   |                   |  |
|                               |          | Immunoprecipit  | ation 20   | µl/1 mg lysate                                     | sate  |                   |  |
|                               |          | Immunohistoch   |            | 100 to 1:500. Epitope re<br>commended for FFPE tis | e retrieval with citrate buffer pH6.0 is tissue sections. |                   |  |
|                               |          | Immunocytoche   |            | 100 to 1:500. Epitope re<br>commended for FFPE ce  | trieval with citrate buffer pH6.0 is<br>Il sections.      |                   |  |
| IHC HUMAN CONTROLS            |          | Breast Carcinoma, Colon Carcinoma, Gastric Carcinoma, Non-Hodgkins Lymphoma,<br>Osteosarcoma, Ovarian Carcinoma, Placenta, Renal Cell Carcinoma, Testicular Seminoma, HeLa<br>Cells, OVCAR-8 Cells            |            |  |   |                   |  |
| ADDITIONAL INFO               |          | https://www.bethyl.com/product/A700-117   |            |  |   |                   |  |
|                               |          | 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 OfficerDate: July 23, 2020

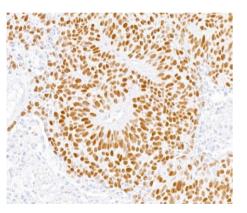
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**Detection of human MSH6 by western blot.** *Samples:* Whole cell lysate (10 µg) from MOLT-4, GaMG, A-549, MCF-7, HeLa, RKO, and HEK293T cells prepared using NETN lysis buffer. *Antibody:* Rabbit anti-MSH6 recombinant monoclonal antibody [BLR117H] (A700-117 Lot 1) used at 1:1000. *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-101P). Chemiluminescence with an exposure time of 10 seconds.



Detection of human MSH6 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. Antibodies: Rabbit anti-MSH6 recombinant monoclonal antibody [BLR117H] (A700-117 Lot 1) used for IP at 20 µl/mg lysate. MSH6 was also immunoprecipitated by rabbit anti-MSH6 antibody BL1538A-1C9. For blotting immunoprecipitated MSH6, A700-117 was used at 1:1000. Chemiluminescence with an exposure time of 10 seconds.



Detection of human MSH6 in FFPE testicular seminoma by immunohistochemistry. *Antibody:* Rabbit anti-MSH6 recombinant monoclonal antibody [BLR117H] (A700-117 Lot 1). *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P). *Substrate:* DAB.



Detection of human MSH6 in FFPE OVCAR-8 cells by immunocytochemistry. *Antibody:* Rabbit anti-MSH6 recombinant monoclonal antibody [BLR117H] (A700-117 Lot 1). *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P). *Substrate:* DAB.

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