

## Anti-MLH1 (4C1) Mouse Monoclonal Antibody

### Introduction

This gene was identified as a locus frequently mutated in hereditary nonpolyposis colon cancer (HNPCC). It is a human homolog of the E. coli DNA mismatch repair gene mutL, consistent with the characteristic alterations in microsatellite sequences (RER+ phenotype) found in HNPCC. Alternatively spliced transcript variants encoding different isoforms have been described, but their full-length natures have not been determined.

### Product parameters

|                    |   |
|--------------------|---|
| Alternative Names  | MLH1; COCA2; DNA mismatch repair protein Mlh1; MutL protein homolog 1 |
| Gene ID            | 4292  |
| Gene Name          | MLH1  |
| SwissProt ID       | P40692  |
| Host               | Mouse   |
| Reactivity         | Human, Monkey   |
| Molecular Weight   | Calculated MW: 85 kDa; Observed MW: 85 kDa                            |
| Conjugation        | Unconjugated  |
| Ex                 | -   |
| Em                 | -   |
| Modification       | Unmodified  |
| Clonality          | IgG1  |
| Isotype            | Monoclonal Antibody   |
| Clonality No.      | AP-6C12B2   |
| Form               | Liquid  |
| Concentration      | See label   |
| Carrier            | Carrier Free  |
| Immunogen          | Purified recombinant fragment of MLH1 expressed in E. Coli.           |
| Purification       | Ascitic Fluid   |
| Buffer System      | Ascitic fluid containing 0.03% sodium azide.                          |
| Application        | WB, ICC/IF  |
| Dilution Ratio     | WB: 1/500-1/1000 IF: 1/50-1/200                                       |
| Research Field     | Epigenetics and Nuclear Signaling                                     |
| Product Categories | Primary antibody  |

|                 |                                  |
|-----------------|----------------------------------|
| Shipping        | Blue ice                         |
| Storage         | -20°C                            |
| Expiration Date | 12 months                        |
| Note            | Please avoid freeze-thaw cycles. |

## Protocol



Configure the product according to the application range and recommended dilution ratio.

**\*Note:** The primary antibody dilution buffer options: WB - Primary Antibody Dilution Buffer (Cat. #: K1200, Not for HRP/AP conjugated antibodies), Immunostaining - Immunol Staining Primary Antibody Dilution Solution (Cat. #: K4655).

## Note

1. This product is for scientific research use only.



**APExBIO Technology**

**[www.apexbt.com](http://www.apexbt.com)**

7505 Fannin street, Suite 410, Houston, TX 77054.

Tel: +1-832-696-8203 | Fax: +1-832-641-3177 | Email: [info@apexbt.com](mailto:info@apexbt.com)

