# EHMT1 monoclonal antibody, clone 1B7B4

Catalog # MAB17864 Size 100 uL

## Specification

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| **Product Description** | Mouse monoclonal antibody raised against recombinant human EHMT1. |
| **Immunogen** | Recombinant protein corresponding to human EHMT1. |
| **Host** | Mouse |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Isotype** | IgG1 |
| **Recommend Usage** | ELISA (1:10000)<br>Western Blot (1:100-1:500)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In ascitic fluid (0.03% sodium azide). |
| **Storage Instruction** | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Western Blot
- Enzyme-linked Immunoabsorbent Assay

## Gene Info — EHMT1

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| **Entrez GeneID** | 79813 |

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| **Protein Accession#** | Q9H9B1 |
| **Gene Name** | EHMT1 |
| **Gene Alias** | DEL9q34, DKFZp667M072, EUHMTASE1, Eu-HMTase1, FLJ12879, FP13812, GLP, KIAA1876, KMT1D, bA188C12.1 |
| **Gene Description** | euchromatic histone-lysine N-methyltransferase 1 |
| **Omim ID** | 607001 610253 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | The protein encoded by this gene is a histone methyltransferase that is part of the E2F6 complex, which represses transcription. The encoded protein methylates the Lys-9 position of histone H3, which tags it for transcriptional repression. This protein may be involved in the silencing of MYC- and E2F-responsive genes and therefore could play a role in the G0/G1 cell cycle transition. Defects in this gene are a cause of chromosome 9q subtelomeric deletion syndrome (9q-syndrome). Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq |
| **Other Designations** | G9a like protein\|OTTHUMP00000022711\|euchromatic histone methyltransferase 1 |

## Pathway

- Lysine degradation

## Disease

- Adenocarcinoma
- Breast cancer
- Breast Neoplasms
- Colorectal Neoplasms
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Microsatellite Instability
- Neoplasm Invasiveness
- Tobacco Use Disorder