

## Anti-KMT6 Rabbit Monoclonal Antibody

### Introduction

Polycomb group (PcG) protein. Catalytic subunit of the PRC2/EED-EZH2 complex, which methylates 'Lys-9' and 'Lys-27' of histone H3, leading to transcriptional repression of the affected target gene. Able to mono-, di- and trimethylate 'Lys-27' of histone H3 to form H3K27me1, H3K27me2 and H3K27me3, respectively. Compared to EZH2-containing complexes, it is more abundant in embryonic stem cells and plays a major role in forming H3K27me3, which is required for embryonic stem cell identity and proper differentiation.

### Product parameters

|                   |   |
|-------------------|---|
| Alternative Names | WVS; ENX1; KMT6; WVS2; ENX-1; EZH2b; KMT6A; EZH2  |
| Gene ID           | 2146  |
| Gene Name         | EZH2  |
| SwissProt ID      | Q15910  |
| Host              | Rabbit  |
| Reactivity        | Human   |
| Molecular Weight  | Calculated MW: 85 kDa; Observed MW: 98 kDa  |
| Conjugation       | Unconjugated  |
| Ex                | -   |
| Em                | -   |
| Modification      | Unmodified  |
| Clonality         | IgG   |
| Isotype           | Monoclonal Antibody   |
| Clonality No.     | AP-3E5D8  |
| Form              | Liquid  |
| Concentration     | See label   |
| Carrier           | Carrier Not Free  |
| Immunogen         | Recombinant protein of human KMT6/EZH2  |
| Purification      | Affinity Purified   |
| Buffer System     | 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA. |
| Application       | WB  |
| Dilution Ratio    | WB: 1/500-1/1000  |
| 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**

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