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**Product Name: KMT6 Rabbit Monoclonal antibody****Catalog #: AMRe02196**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ICC/IF
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal Antibody
<b>Form</b>	Liquid
<b>Concentration</b>	1.25mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
<b>Purification</b>	Affinity Purified

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,ICC/IF 1:50-1:200
<b>Molecular Weight</b>	Calculated MW: 85 kDa; Observed MW: 98 kDa

**Antigen Information**

<b>Gene Name</b>	EZH2
<b>Alternative Names</b>	WVS; ENX1; KMT6; WVS2; ENX-1; EZH2b; KMT6A; EZH2
<b>Gene ID</b>	2146
<b>SwissProt ID</b>	Q15910
<b>Immunogen</b>	A synthetic peptide of human KMT6/EZH2

**Background**

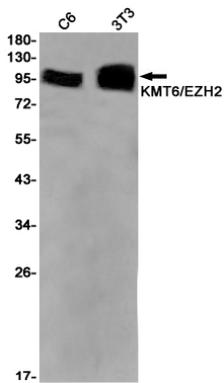
Polycomb group (PcG) protein. Catalytic subunit of the PRC2/EED-EZH2 complex, which methylates 'Lys-9' and 'Lys-27' of histone H3, leading to transcriptional repression of the affected target gene. Able to mono-, di- and trimethylate 'Lys-27' of

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.

## Research Area

Epigenetics and Nuclear Signaling

## Image Data



Western blot analysis of KMT6/EZH2 in C6, 3T3 lysates using KMT6 antibody.