Product Name: KMT6 Rabbit Monoclonal Antibody
Catalog #: AMRe03059

Summary

Production Name	KMT6 Rabbit Monoclonal Antibody
Description	Recombinant Rabbit Monoclonal antibody
Host	Rabbit
Application	WB
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Purification	Affinity Purified

Immunogen

Gene Name	EZH2
Alternative Names	WVS; ENX1; KMT6; WVS2; ENX-1; EZH2b; KMT6A; EZH2
Gene ID	2146
SwissProt ID	Q15910

Application

Dilution Ratio	WB: 1/500-1/1000
Molecular Weight	Calculated MW: 85 kDa; Observed MW: 98 kDa

Background

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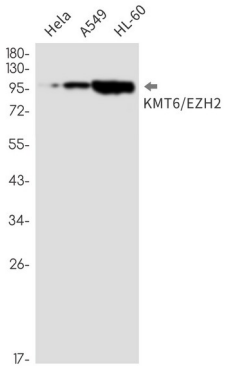
Polycomb group (PcG) protein. Catalytic subunit of the PRC2/EED-EZH2 complex, which methylates 'Lys-9' and 'Lys-27' of histone H3, leading to transcriptional repression of the affected target gene. Able to mono-, di- and trimethylate 'Lys-27' of histone H3 to form H3K27me1, H3K27me2 and H3K27me3, respectively. 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 Hela, A549, HL-60 lysates using KMT6 antibody.

Note

For research use only.