
Product Name: KD-Validated KMT6 / EZH2 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA00167

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:2,000-1:10,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 85.4kDa

Antigen Information

Gene Name	EZH2
Alternative Names	Enhancer Of Zeste 2 Polycomb Repressive Complex 2 Subunit; ENX-1; KMT6; KMT6A; Histone-Lysine N-Methyltransferase EZH2; Lysine N-Methyltransferase 6; Enhancer Of Zeste Homolog 2;EZH1; Enhancer Of Zeste (Drosophila) Homolog 2; Enhancer Of Zeste Homolog 2 (Drosophila); EC 2.1.1.356; EC 2.1.1.43; EC 2.1.1; EZH2b; ENX1; WVS2; WVS
Gene ID	2146.0
SwissProt ID	Q15910
Immunogen	A synthesized peptide derived from human KMT6 / EZH2

Background

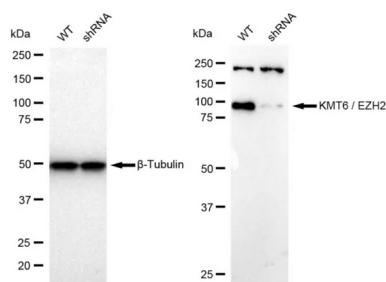
This gene encodes a member of the Polycomb-group (PcG) family. PcG family members form multimeric protein complexes,

which are involved in maintaining the transcriptional repressive state of genes over successive cell generations. This protein associates with the embryonic ectoderm development protein, the VAV1 oncoprotein, and the X-linked nuclear protein. This protein may play a role in the hematopoietic and central nervous systems. Multiple alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Feb 2011]

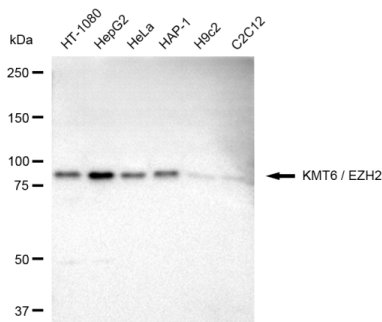
Research Area

Epigenetics and Nuclear Signaling, Cancer

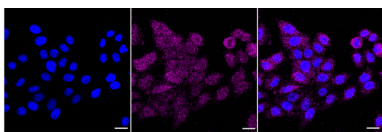
Image Data



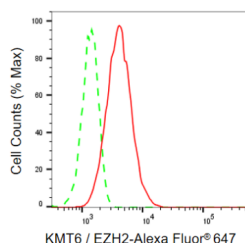
Western blotting analysis using KMT6 / EZH2 antibody (KVAb00167). KMT6 / EZH2 expression in wild type (WT) and KMT6 / EZH2 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with KMT6 / EZH2 antibody (KVAb00167, 1:10,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using KMT6 / EZH2 antibody (KVAb00167). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with KMT6 / EZH2 antibody (KVAb00167, 1:10,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with KMT6 / EZH2 antibody (KVAb00167, 1:1,000). Nuclei were stained blue with DAPI; KMT6 / EZH2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.



Flow cytometric analysis of KMT6 / EZH2 expression in HepG2 cells using KMT6 / EZH2 antibody (KVAb00167, 1:2,000). Green, isotype control; red, KMT6 / EZH2.