

Product Name: KD-Validated EZH2 Mouse Monoclonal Antibody**Catalog #: KVA00601**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1 kappa
Clonality	Mouse 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 1:1,000-1:5,000; 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	EZH2; Enhancer Of Zeste 2 Polycomb Repressive Complex 2 Subunit 2; 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	Recombinant protein of human EZH2

Background

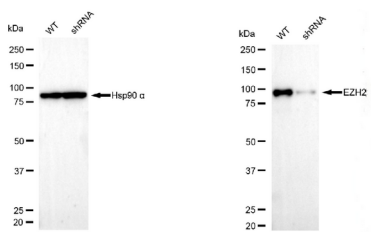
This gene encodes a member of the Polycomb-group (PcG) family. PcG family members form multimeric protein complexes,

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]

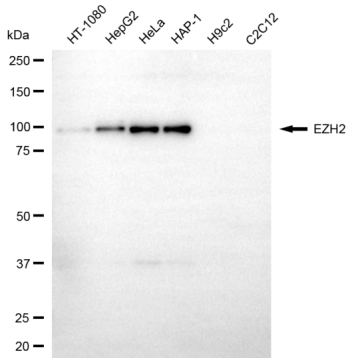
Research Area

Epigenetics and Nuclear Signaling, Cancer

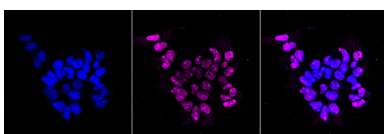
Image Data



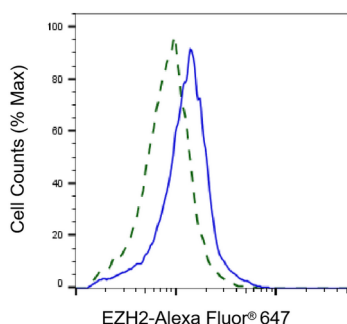
Western blotting analysis using EZH2 antibody (KVA00601). EZH2 expression in wild-type (WT) and EZH2 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with EZH2 antibody (KVA00601, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



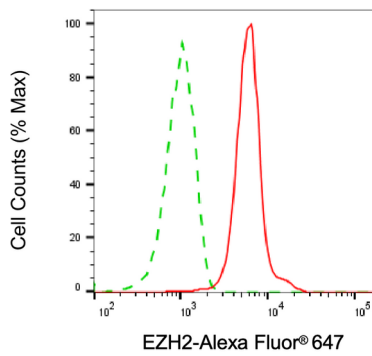
Western blotting analysis using EZH2 antibody (KVA00601). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with EZH2 antibody (KVA00601, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively. EZH2, enhancer of zeste 2 polycomb repressive complex 2 subunit.



Immunocytochemical staining of HAP-1 cells with EZH2 antibody (KVA00601, 1:1,000). Nuclei were stained blue with DAPI; EZH2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and Smart Gain: High. Scale bar, 20 µm.



Validation of EZH2 knockdown using flow cytometry. Wild-type (WT, Blue) and knockdown (KD, Green) HeLa cells were stained with EZH2 antibody (KVA00601, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of EZH2 expression in HAP-1 cells using EZH2 antibody (KVA00601, 1:2,000). Green, isotype control; red, EZH2.