

Mouse anti-Human, Mouse EZH2 Monoclonal Antibody | anti-EZH2 antibody

EZH2 antibody (mAb)(Clone AC22)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA59817	Mouse	Human, Mouse	Chromatin Immunoprecipitation, Immunoprecipitation

PRODUCT SYNONYMS

EZH2; Monoclonal Antibody; EZH2 antibody (mAb)(Clone AC22); WVS; ENX1; EZH1; KMT6; WVS2; ENX-1; EZH2b; KMT6A; anti-EZH2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	AC22
Purity/Purification	Protein A Chromatography
Form/Format	Purified IgG in 70mM Tris (pH8), 105mM NaCl, 31mM glycine, 0.07mM EDTA, 30% glycerol and 0.035% sodium azide. Sodium azide is highly toxic.
Concentration	1ug/ul (varies by lot)
Applicable Applications for anti-EZH2 antibody	ChIP (Chromatin immunoprecipitation)
Immunogen	This EZH2 antibody was raised against a recombinant protein corresponding to amino acids 353-451 of human EZH2.
Preparation and Storage	Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20 degree C for up to 2 years. Keep all reagents on ice when not in storage.

IMAGES



Cut & Run

EZH2 antibody (rAb) tested by CUT&RUNCUT&RUN was performed using 500,000 K562 nuclei and sequenced using 38 base-pair, paired-end reads on the Illumina NovaSeq. Data was collected from 58 million reads, and EZH2 data is shown for Chromosome 12.



ChIP (Chromatin Immunoprecipitation)

EZH2 antibody (mAb) tested by ChIP. Chromatin IP performed using the ChIP-IT Express Kit and HeLa Chromatin (1.5 x 10⁶ cell equivalents per ChIP) using 3 ug of EZH2 antibody or the equivalent amount of IgG as a negative control. Real time, quantitative PCR (RT-qPCR) was performed on DNA purified from the ChIP reaction using a primer pair specific for the Myt1 gene. Data are presented as Fold Enrichment of the ChIP antibody signal versus the negative control IgG using the ddCT method.

ADDITIONAL INFORMATION

Related Product Information for anti-EZH2 antibody	Background: EZH2-(Enhancer of Zeste homolog 2, also designated Enx1 and SETDB1) is a human homolog of the Drosophila Polycomb-group protein Enhancer of Zeste protein. It contains a SET domain that catalyzes the methylation of histone H3 at lysine 27 (Histone H3 Lys27 monomethylated, dimethylated and trimethylated). Polycomb-group proteins repress gene expression by binding to chromatin and locally altering chromatin structure. EZH2, BMI-1 and Suz12 are present in the PRC2 and PRC3 protein complexes that function as mediators of epigenetic transcriptional silencing. EZH2 associates with the embryonic ectoderm development protein, the VAV1 oncoprotein, and the X-linked nuclear protein. EZH2 may play a role in the hematopoietic and central nervous systems. Deregulation of EZH2 is linked to a variety of cancers.
Product Categories/Family for anti-EZH2 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

Molecular Weight	96kDa
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/ezh2-antibody-clone-ac22-chromatin-immunoprecipitation-elisa/59817>