BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-EZH2/Kmt6 Antibody

Catalog Number: CI1042

Overview

Product Name	Anti-EZH2/Kmt6 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-EZH2/Kmt6 Antibody (Catalog# CI1042). Tested in ChIP, ChIP-seq, WB, IF applications. This antibody reacts with Human, Mouse.
Application	ChIP, ChIP-seq, IF, WB
Clonality	Polyclonal
Formulation	Protein G purified polyclonal antibody in PBS containing 0.05% azide and 0.05% ProClin 300.
Storage Instructions	Store at -20°C. For long-term storage, store at -80°C. Avoid multiple freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q15910

Technical Details

Immunogen	This antibody is raised in rabbit against the N-terminus (aa1-343) of the mouse EZH2 protein (Enhancer of zeste homolog 2).
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot. Boster recommends high sensitivity ChIP-seq Kit (CK1001 & CK1002) for Chromatin Immunoprecipitation.
Form	Liquid
Concentration	0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Protein G purified
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: User needs to optimize the dilution ratio for this antibody.

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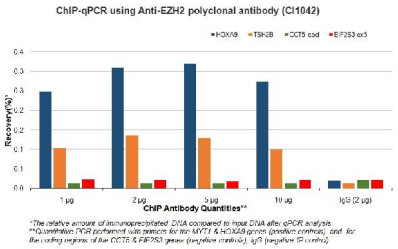
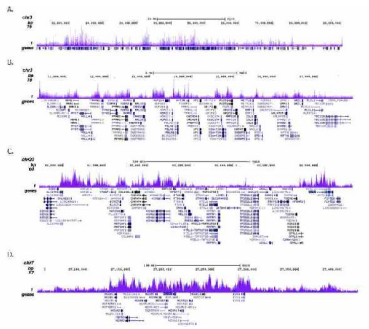
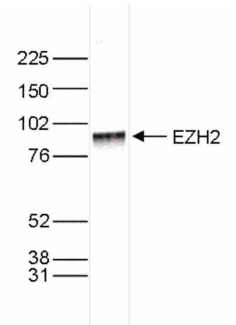
Anti-EZH2/Kmt6 Antibody (CI1042) Images



ChIP assays were performed using K562 cells, Anti-EZH2 polyclonal antibody (Catalog # CI1042) and optimized PCR primer sets for qPCR. A titration of the antibody consisting of 1, 2, 5 and 10 ug per ChIP experiment was analysed. IgG (2 ug/IP) was used as negative IP control. Quantitative PCR was performed with primers for MYT1 and HOXA9, used as positive control targets, and for the coding regions of the active CCT5 and EIF2S3 genes, used as negative controls.



ChIP was performed on sheared chromatin from 4 million K562 cells using 2 ug of Anti-EZH2 polyclonal antibody (Catalog # CI1042). The IP DNA was subsequently analysed on an Illumina HiSeq. Library preparation, cluster generation and sequencing were performed according to the manufacturer instructions. The 51 bp tags were aligned to the human genome using the BWA algorithm. Figure 2 shows the peak distribution along the short arm and a 6 Mb region containing several enriched regions of human chromosome 3 (figure 2A and B, respectively), and in two genomic regions containing the MYT1 gene on chromosome 20 and the HOX cluster on chromosome 7 (figure 2C and D).



Western blot analysis of EZH2 expression in nuclear extracts from HeLa cells (40

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