

Anti-EZH2 Antibody (Monoclonal)

Catalog Number: CI1145

About EZH2

EZH2 is a histone-lysine methyltransferase which methylates 'Lys-9' and 'Lys-27' of histone H3, leading to transcriptional repression. It is a member of the polycomb group (PcG) family which form multimeric protein complexes and are involved in maintaining the transcriptional repressive state of genes over successive cell generations. The EZH2 activity is dependent on the association with other components of the PRC2 complex (EED, SUZ12/JJAZ1, RBBP4 and RBBP7). EZH2 may play a role in the hematopoietic and central nervous systems. Over-expression of EZH2 is observed during advanced stages of prostate cancer and breast cancer.

Overview

Product Name	Anti-EZH2 Antibody (Monoclonal)
Reactive Species	Human
Description	Boster Bio Anti-EZH2 Antibody (Monoclonal) catalog # CI1145. Tested in ChIP, ChIP-qPCR applications. This antibody reacts with Human.
Application	ChIP, ChIP-qPCR
Clonality	Monoclonal
Formulation	Protein G purified polyclonal antibody in PBS containing 0.05% azide.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	Q15910

Technical Details

Immunogen	This antibody is raised in mouse against the central part of the human EZH2 protein (Enhancer of zeste homolog 2).
Recommended Detection Systems	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.

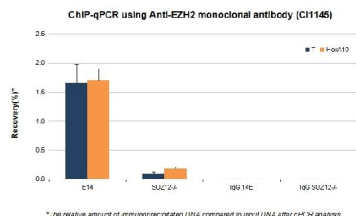
If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

User need to optimize the dilution ratio for this antibody

Anti-EZH2 Antibody (Monoclonal) (CI1145) Images



ChIP assays were performed using 2.5 ug of the Anti-EZH2 monoclonal antibody (Catalog # CI1145) on sheared chromatin from 5 million E14 mouse embryonic stem and from SUZ12^{-/-} cells, used as a negative control. IgG was used as negative IP control. Quantitative PCR was performed with primers specific for the HoxA10 gene and for the T gene which encodes the Brachyury transcription factor

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