

Anti-DNMT3A Antibody ChIP Grade

Catalog Number: CI1104

About DNMT3A

DNMT3A catalyses the genome wide de novo methylation of CpG residues. DNA methylation on CpG residues by DNMT3A regulates gene expression and is essential for development. DNMT3A is strongly expressed in embryonic stem cells, but low in adult somatic cells. DNA methylation is coordinated with methylation of histones. DNMT3A binds to SETDB1 and HDAC1, and is involved in the repression of transcription from promoters containing an E2F binding site.

Overview

Product Name	Anti-DNMT3A Antibody ChIP Grade
Reactive Species	Human, Mouse
Description	Boster Bio Anti-DNMT3A Antibody ChIP Grade catalog # CI1104. Tested in WB applications. This antibody reacts with Human, Mouse.
Application	WB
Clonality	Polyclonal
Formulation	Whole antiserum from rabbit 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	Rabbit
Uniprot ID	Q9Y6K1

Technical Details

Immunogen	This antibody is raised in rabbit against mouse DNMT3 (DNA methyltransferase 3A), using two KLH-conjugated synthetic peptides containing an amino acid sequence from the central part of the protein.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Form	Liquid
Concentration	0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Whole antiserum
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

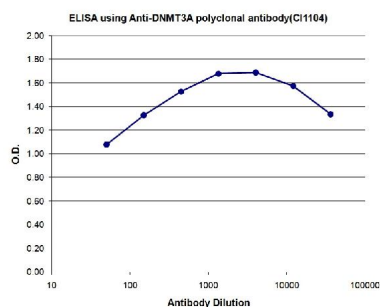
If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

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

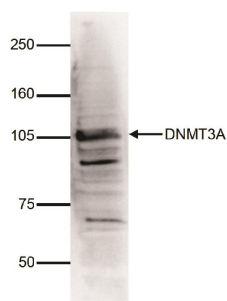
Boster Bio's internal QC testing used:

User need to optimize the dilution ratio for this antibody

Anti-DNMT3A Antibody CHIP Grade (CI1104) Images



To determine the titer of the antibody, an ELISA was performed using a serial dilution of Anti-DNMT3A polyclonal antibody (Catalog # CI1104). The wells were coated with the peptides used for immunisation of the rabbit. By plotting the absorbance against the antibody dilution, the titer of the antibody was estimated to be 1:86,500.



Western blot analysis of DNMT3A expression in nuclear extracts from HeLa cells (40

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