

M30137

DNMT3A Antibody

- 50ul
- 100 uL



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Description:

Required for genome-wide de novo methylation and is essential for the establishment of DNA methylation patterns during development. DNA methylation is coordinated with methylation of histones. It modifies DNA in a non-processive manner and also methylates non-CpG sites. May preferentially methylate DNA linker between 2 nucleosomal cores and is inhibited by histone H1. Plays a role in paternal and maternal imprinting. Required for methylation of most imprinted loci in germ cells. Acts as a transcriptional corepressor for ZBTB18. Recruited to trimethylated 'Lys-36' of histone H3 (H3K36me3) sites. Can actively repress transcription through the recruitment of HDAC activity.

Uniprot:Q9Y6K1

Alternative Names:

DNA (cytosine 5) methyltransferase 3 alpha; DNA (cytosine 5) methyltransferase 3A; DNA (cytosine-5)-methyltransferase 3A; DNA cytosine methyltransferase 3A2; DNA methyltransferase 3 alpha; DNA methyltransferase 3a; DNA methyltransferase HsaIIIA; DNA MTase HsaIIIA; DNMT3A_HUMAN; DNMT 3a; DNMT; Dnmt3a; DNMT3A2; M.HsaIIIA; MCMT; OTTHUMP00000201149; TBRS;

Reactivity:Human, Mouse, Rat

Source:Mouse

Mol Weight:100KD

Storage Condition: Store at -20 °C. Stable for 12 months from date of receipt.

Application:

WB 1:500-1:2000, IHC 1:50-1:200; IP 1:50-1:100