

DNMT3A antibody

Product Information

Catalog No.:	FNab02485
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

Background

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.

Immunogen information

Immunogen:	DNA(cytosine-5-)-methyltransferase 3 alpha
Synonyms:	DNA (cytosine-5)-methyltransferase 3A (Dnmt3a) Cysteine methyltransferase DNMT3A DNA methyltransferase HsaIIIA (DNA MTase HsaIIIA, M.HsaIIIA) DNMT3A
Observed MW:	None
Uniprot ID :	Q9Y6K1

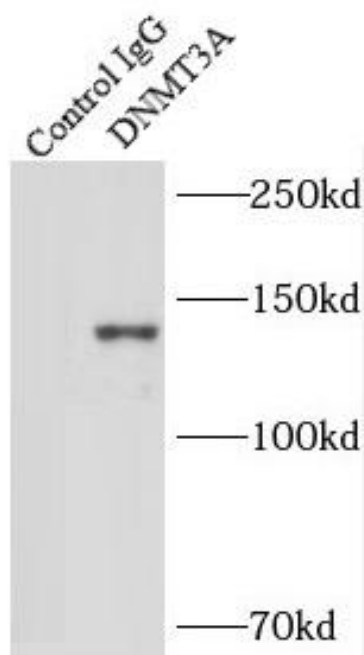
Application

Reactivity:	Human, Mouse, Rat
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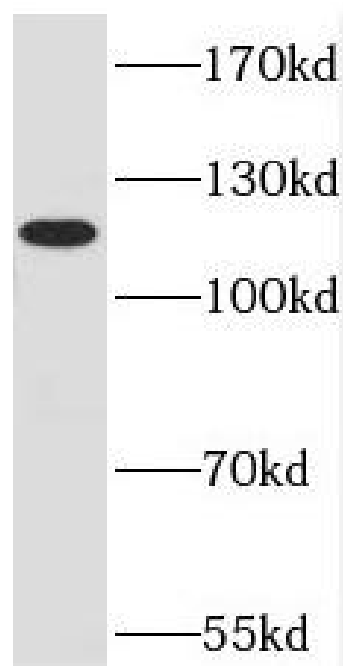
Tested Application: ELISA, WB, IP

Recommended dilution: WB: 1:500-1:2000; IP: 1:200-1:2000

Image:



IP Result of anti-DNMT3A (IP:FNab02485, 4ug;
Detection:FNab02485 1:1000) with HeLa cells
lysate 2000ug.



HEK-293 cells were subjected to SDS PAGE
followed by western blot with
FNab02485(DNMT3A antibody) at dilution of
1:1500