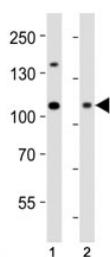


## Dnmt3a Antibody (F53021)

Catalog No.	Formulation	Size
F53021-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F53021-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Predicted Reactivity</b>	Chicken, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Antigen affinity
<b>UniProt</b>	Q9Y6K1
<b>Applications</b>	Western Blot : 1:1000
<b>Limitations</b>	This Dnmt3a antibody is available for research use only.



Western blot analysis of lysate from (1) HeLa cell line and (2) human skeletal muscle tissue using Dnmt3a antibody at 1:1000. Predicted molecular weight: 100-130 kDa

## 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.

## Application Notes

Titration of the Dnmt3a antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

This Dnmt3a antibody was produced from a rabbit immunized with a KLH conjugated synthetic peptide between 463-497 amino acids from the central region of human Dnmt3a.

## Storage

Aliquot the Dnmt3a antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.