



[Go to Product page](#)

Datasheet for ABIN6243165
anti-DNMT3A antibody (AA 463-497)

1 Image

Overview

Quantity:	400 µL
Target:	DNMT3A
Binding Specificity:	AA 463-497
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DNMT3A antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This DNMT3A antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 463-497 amino acids from the Central region of human DNMT3A.
Clone:	RB51574
Isotype:	Ig Fraction
Predicted Reactivity:	C, M, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	DNMT3A
Alternative Name:	DNMT3A (DNMT3A Products)

Target Details

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.

Molecular Weight: 101858

UniProt: [Q9Y6K1](#)

Application Details

Application Notes: WB: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

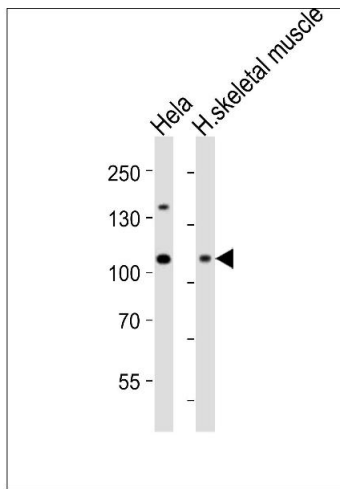
Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Expiry Date: 6 months



Western Blotting

Image 1. Western blot analysis of lysates from HeLa cell line and human skeletal muscle tissue (from left to right), using DNMT3A Antibody (Center) (ABIN6243165 and ABIN6577841). (ABIN6243165 and ABIN6577841) was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20 μ g per lane.