

Datasheet for ABIN5675299
anti-DNMT3B antibody (AA 251-350)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	DNMT3B
Binding Specificity:	AA 251-350
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DNMT3B antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Dnmt3b
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Dog,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	DNMT3B
Alternative Name:	Dnmt3b (DNMT3B Products)
Background:	Synonyms: DNA (cytosine-5)-methyltransferase 3B, DNMT3B, DNA methyltransferase HsaIIIB,

Target Details

DNA MTase HsaIIIB, M.HsaIIIB

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. May preferentially methylates nucleosomal DNA within the nucleosome core region. May function as transcriptional co-repressor by associating with CBX4 and independently of DNA methylation. Seems to be involved in gene silencing (By similarity). In association with DNMT1 and via the recruitment of CTCFL/BORIS, involved in activation of BAG1 gene expression by modulating dimethylation of promoter histone H3 at H3K4 and H3K9. Isoforms 4 and 5 are probably not functional due to the deletion of two conserved methyltransferase motifs. Function as transcriptional corepressor by associating with ZHX1. Required for DUX4 silencing in somatic cells (PubMed:27153398).

Gene ID: 1789

UniProt: [Q9UBC3](#)

Application Details

Application Notes: WB 1:300-5000

FCM 1:20-100

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

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

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

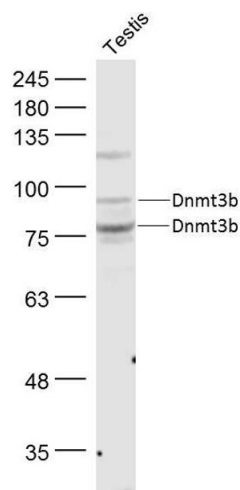


Image 1. Mouse Testis lysates probed with Dnmt3b Polyclonal Antibody, Unconjugated at 1:300 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37°C.