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anti-DNMT3B antibody (AA 356-390)



Image



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Overview		
Quantity:	80 μL	
Target:	DNMT3B	
Binding Specificity:	AA 356-390	
Reactivity:	Mouse	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This DNMT3B antibody is un-conjugated	
Application:	Western Blotting (WB)	
Product Details		
Immunogen:	This Mouse Dnmt3b antibody is generated from a rabbit immunized with a KLH conjugated	
	synthetic peptide between 356-390 amino acids from the Central region of Mouse Dnmt3b.	
Clone:	RB50993	
Isotype:	lg Fraction	
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.	
Target Details		
Target:	DNMT3B	
Alternative Name:	Dnmt3b (DNMT3B Products)	
Background:	Required for genome-wide de novo methylation and is essential for the establishment of DNA	

Target Details

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. 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. Function as transcriptional corepressor by associating with ZHX1 (By similarity).

Molecular Weight:

97228

UniProt:

088509

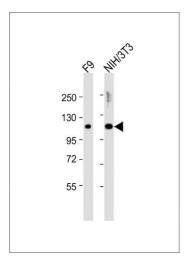
Application Details

Application Notes: WB: 1:2000

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. All lanes: Anti-Dnmt3b Antibody (Center) at 1:2000 dilution Lane 1: F9 whole cell lysates Lane 2: NIH/3T3 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size: 97 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.