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Datasheet for ABIN7184447

anti-DNMT3B antibody (N-Term)

4 Images

Overview

Quantity:	100 µL
Target:	DNMT3B
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DNMT3B antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Synthesized peptide derived from N-terminal of Human DNMT3B.
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

Target:	DNMT3B
Alternative Name:	DNMT3B (DNMT3B Products)
Background:	Background: Required for genome-wide de novo methylation and is essential for the

Target Details

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.

Deloukas P., Nature 414:865-871(2001).

Li H., J. Biol. Chem. 281:19489-19500(2006).

Wijmenga C., Hum. Mutat. 16:509-517(2000).

Aliases: Cytosine 5methyltransferase 3B antibody, DNA antibody, DNA (cytosine 5) methyltransferase 3 beta antibody, DNA (cytosine 5)-methyltransferase 3B antibody, DNA (cytosine-5)-methyltransferase 3B antibody, DNA methyltransferase HsaIIIB antibody, DNA MTase HsaIIIB antibody, DNM3B_HUMAN antibody, Dnmt3b antibody, EC 2.1.1.37 antibody, ICF antibody, ICF1 antibody, M.HsaIIIB antibody, MGC124407 antibody, RP23-89H14.3 antibody

UniProt: [Q9UBC3](#)

Application Details

Application Notes: WB:1:500-1:3000, IHC:1:50-1:100, IF:1:100-1:500,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

Preservative: Sodium azide

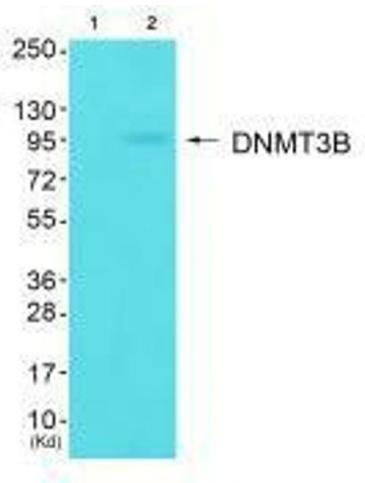
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Handling

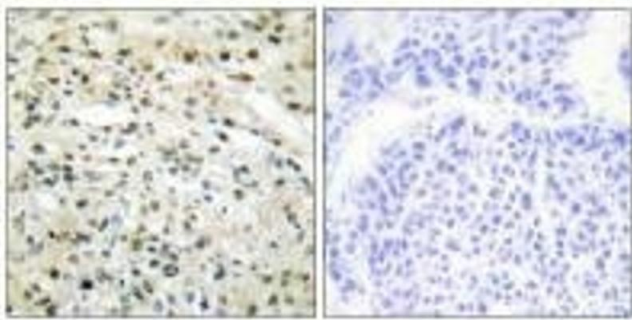
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



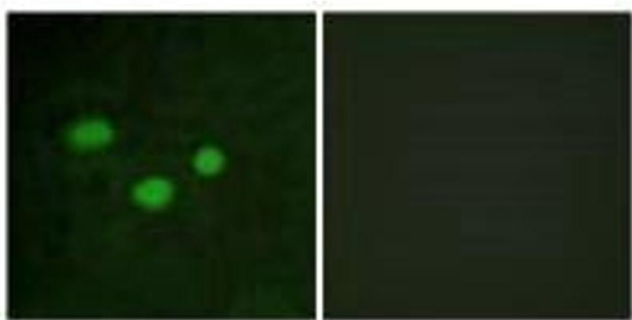
Western Blotting

Image 1. Western blot analysis of extracts from HuvEc cells (Lane 2), using DNMT3B antibody. The lane on the left is treated with synthesized peptide.



Immunohistochemistry

Image 2. Immunohistochemistry analysis of paraffin-embedded human liver carcinoma tissue using DNMT3B antibody.



Immunofluorescence

Image 3. Immunofluorescence analysis of HeLa cells, using DNMT3B antibody.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7184447.