

Product Datasheet

DNMT3B Antibody

Catalog No: AY1982

Reactivity: Human

Isotype: Rabbit IgG

Applications: WB IHC ICC/IF



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Information

UniProt ID: Q9UBC3

All Names: DNA (cytosine-5)-methyltransferase 3B, EC 2.1.1.37, Dnmt3b, DNA methyltransferase HsaIIIB, DNA MTase HsaIIIB, M.HsaIIIB, DNMT3B

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide derived from human DNMT3B

Molecular Wt.: 96 kDa

Application

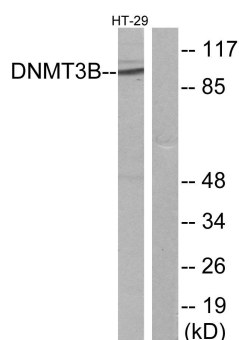
WB: 1:500~1:1000

IHC: 1:50~1:200

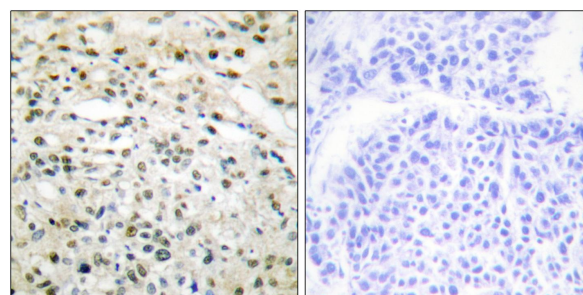
IF/ICC 1:100-1:500

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).



Western blot analysis of extracts from HT-29 cells, using DNMT3B antibody.



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

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