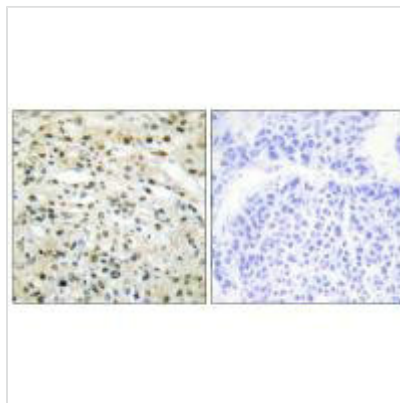


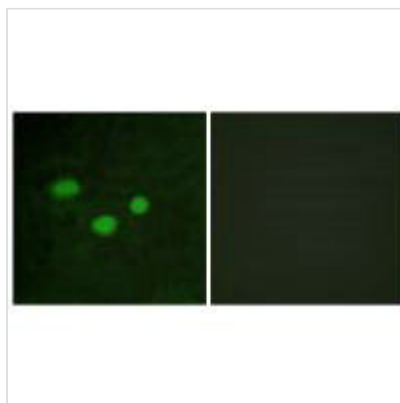


DNMT3B Antibody

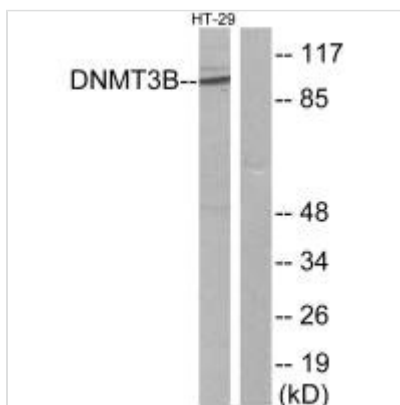
Product Code	CSB-PA593881
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q9UBC3
Immunogen	Synthesized peptide derived from N-terminal of Human DNMT3B.
Raised In	Rabbit
Species Reactivity	Human
Specificity	The antibody detects endogenous levels of total DNMT3B protein.
Tested Applications	ELISA,WB,IHC,IF;WB:1:500-1:3000,IHC:1:50-1:100,IF:1:100-1:500
Relevance	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. Deloukas P., Nature 414:865-871(2001). Li H., J. Biol. Chem. 281:19489-19500(2006). Wijmenga C., Hum. Mutat. 16:509-517(2000).
Form	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Alias	DNA (cytosine-5)-methyltransferase 3B; EC 2.1.1.37; Dnmt3b; DNA methyltransferase HsallIB; DNA MTase HsallIB
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	DNMT3B
Image	



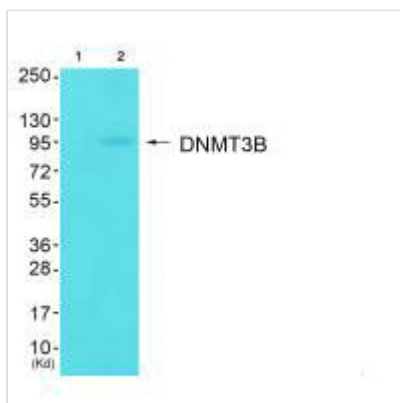
Immunohistochemistry analysis of paraffin-embedded human liver carcinoma tissue using DNMT3B antibody.



Immunofluorescence analysis of HeLa cells, using DNMT3B antibody.



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



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