

## DNMT3L Antibody (C-term)

Catalog_no :	AB1531
Applications :	WB
Reactivity :	H
Category :	抗原抗体
Size :	100 $\mu$ L/50 $\mu$ L
Immunogen :	HUMAN:355-381
Specificity :	This DNMT3L antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 355-381 amino acids from the C-terminal region of human DNMT3L.
Dilution :	WB,1:1000;
Purification :	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Other_name :	DNA (cytosine-5)-methyltransferase 3-like, DNMT3L
Isotype :	Rabbit Ig
Background :	CpG methylation is an epigenetic modification that is important for embryonic development, imprinting, and X-chromosome inactivation. Studies in mice have demonstrated that DNA methylation is required for mammalian development. This gene encodes a nuclear protein with similarity to DNA methyltransferases. This protein is not thought to function as a DNA methyltransferase as it does not contain the amino acid residues necessary for methyltransferase activity. However, this protein does stimulate de novo methylation by DNA cytosine methyltransferase 3 alpha and it is thought to be required for the establishment of maternal genomic imprints. This protein also mediates transcriptional repression through interaction with histone deacetylase 1. Alternative splicing results in two transcript variants. An additional splice variant has been described but its biological validity has not been determined.
reference :	Holz-Schietinger, C., et al. J. Biol. Chem. 285(38):29091-29100(2010) Manderwad, G.P., et al. Arch. Pathol. Lab. Med. 134(8):1193-1196(2010) Kim, H., et al. Int. J. Oncol. 36(6):1563-1572(2010) Minami, K., et al. Clin. Cancer Res. 16(10):2751-2759(20