

Datasheet for ABIN387892

anti-DNMT3L antibody (C-Term)[Go to Product page](#)**2** Images**1** Publication

Overview

Quantity:	400 µL
Target:	DNMT3L (TRDMT1)
Binding Specificity:	AA 357-388, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DNMT3L antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This Dnmt3L antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 357-388 amino acids from the C-terminal region of human Dnmt3L.
Clone:	RB02219
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	DNMT3L (TRDMT1)
Alternative Name:	Dnmt3L (TRDMT1 Products)

Target Details

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.
Molecular Weight:	43583
Gene ID:	29947
NCBI Accession:	NP_037501 , NP_787063
UniProt:	Q9UJW3

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

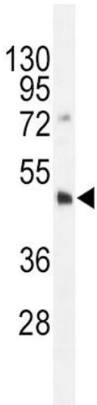
Handling

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
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

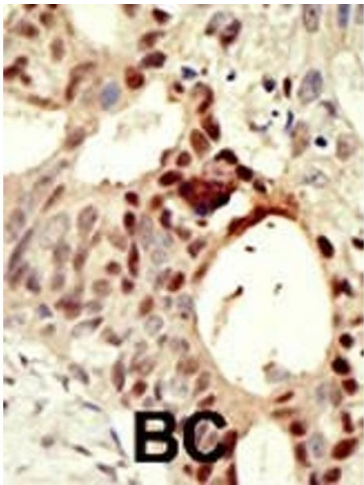
Product cited in: Yu, Thieu, Kaplan: "Stat4 limits DNA methyltransferase recruitment and DNA methylation of the IL-18Ralpha gene during Th1 differentiation." in: **The EMBO journal**, Vol. 26, Issue 8, pp. 2052-60, (2007) ([PubMed](#)).

Images



Western Blotting

Image 1. Dnmt3L- (ABIN387892 and ABIN2844125) western blot analysis in HL-60 cell line lysates (35 μ g/lane). This demonstrates the DNMT3L antibody detected the DNMT3L protein (arrow).



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.