

Datasheet for ABIN5542515
anti-DNMT3L antibody (AA 147-386)

5 Images

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Overview

Quantity:	0.1 mg
Target:	DNMT3L (TRDMT1)
Binding Specificity:	AA 147-386
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This DNMT3L antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Immunogen:	Purified recombinant fragment of human DNMT3L (AA: 147-386) expressed in E. coli.
Clone:	2D10H11
Isotype:	IgG1
Purification:	purified

Target Details

Target:	DNMT3L (TRDMT1)
Alternative Name:	DNMT3L (TRDMT1 Products)
Background:	CpG methylation is an epigenetic modification that is important for embryonic development,

Target Details

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, but is not thought to function as a DNA methyltransferase as it does not contain the amino acid residues necessary for methyltransferase activity. However, it does stimulate de novo methylation by DNA cytosine methyltransferase 3 alpha and is thought to be required for the establishment of maternal genomic imprints. This protein also mediates transcriptional repression through interaction with histone deacetylase 1. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.,

Molecular Weight:	43.6 kDa
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Gene ID:	29947
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HGNC:	29947
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Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: , ICC: , FCM: 1:200 - 1:400
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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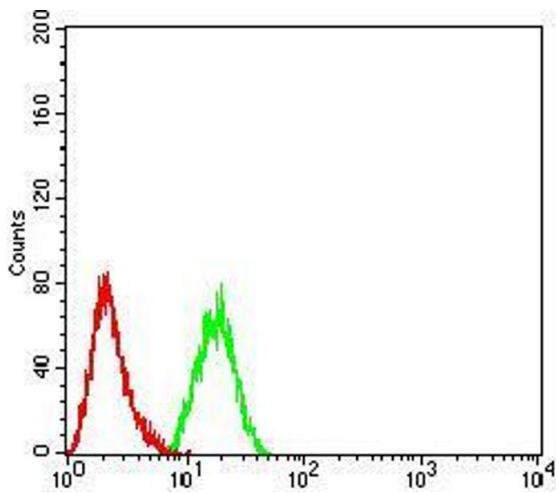
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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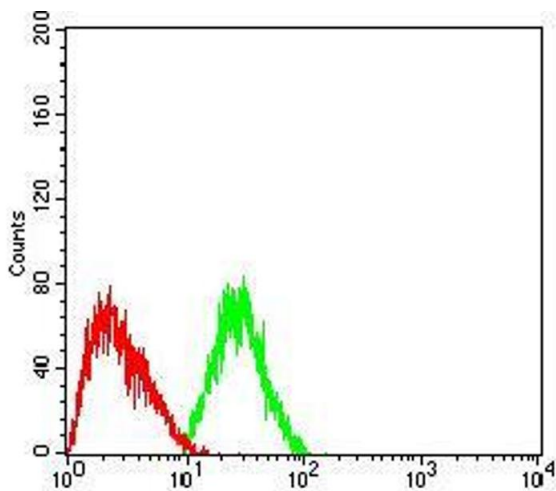
Storage:	4 °C/-20 °C
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Storage Comment:	4°C, -20°C for long term storage
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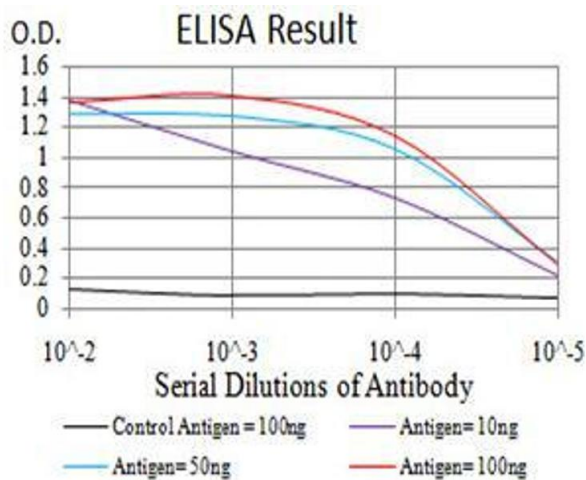
Flow Cytometry

Image 1. Flow cytometric analysis of Hela cells using DNMT3L mouse mAb (green) and negative control (red).



Flow Cytometry

Image 2. Flow cytometric analysis of HepG2 cells using DNMT3L mouse mAb (green) and negative control (red).



ELISA

Image 3. Black line: Control Antigen (100 ng), Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng)

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN5542515.