Datasheet for ABIN1711281

anti-DNMT3L antibody (AA 131-230) (HRP)

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Overview

Quantity:	100 µL
Target:	DNMT3L (TRDMT1)
Binding Specificity:	AA 131-230
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DNMT3L antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Dnmt3L
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat
Purification:	Purified by Protein A.

Target Details

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

Target Details

Background:	Synonyms: Cytosine 5 methyltransferase 3 like protein, DNA cytosine 5 methyltransferase 3 like, DNA cytosine-5-methyltransferase 3-like, DNA Cytosine 5 Methyltransferase 3 Like Protein, DNA Methyltransferase 3 Like Protein, DNM3L_HUMAN, Dnmt 3L, Dnmt3l, Human cytosine 5 methyltransferase 3 like protein, MGC1090. Background: Methylation at the 5'-position of cytosine is the only known naturally occurring covalent modification of the mammalian genome. DNA methylation requires the enzymatic activity of DNA 5-cytosine methyltransferase (Dnmt) proteins, which catalyze the transfer of a methyl group from S-adenosyl methionine to the 5'-position of cytosines, thereby repressing expression of the target gene. Dnmt3L (DNA (cytosine-5)-methyltransferase 3-like) is a 387 amino acid protein that contains one ADD-type zinc finger and is a member of the Dnmt family. Localized to the nucleus and expressed at lows levels in thymus, testis and ovary, Dnmt3L does not exhibit DNA methyltransferase activity, but is able to stimulate de novo methylation by Dnmt3 and is thought to play a key role in the establishment of genomic imprints. Additionally, Dnmt3L interacts with histone deacetylase 1 (HDAC1) and, through this interaction, mediates transcriptional repression. Multiple isoforms of Dnmt3L exist due to alternative splicing events.
Gene ID:	29947

Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IHC-F 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Handling Advice:	Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish

Handling

	peroxidase.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months