Datasheet for ABIN1714998

anti-Dnmt2 antibody (AA 61-160)

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Overview

Quantity:	100 µL
Target:	Dnmt2 (TRDMT1)
Binding Specificity:	AA 61-160
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Dnmt2 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Dnmt2
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Cow,Sheep,Pig
Purification:	Purified by Protein A.

Target Details

Target:	Dnmt2 (TRDMT1)
Alternative Name:	Dnmt2 (TRDMT1 Products)

Target Details

Background:	Synonyms: dDNMT, D mMT 2, D mMT2, DNA cytosine 5 methyltransferase 2, DNA cytosine 5 methyltransferase like protein 2, DNA cytosine-5-methyltransferase-like protein 2, DNA 5 cytosine methyltransferase, DNA methyltransferase 2, DNA methyltransferase homolog HsaIIP, DNA MTase homolog HsaIIP, Dnmt 2, Dnmt2, M.HsaIIP, MHsaIIP, nmt 2, nmt2, OTTHUMP00000045198, PuMet, RNMT 1, RNMT1, TRDMT 1, TRDMT_HUMAN, TRDMT1, tRNA cytosine 5 methyltransferase, tRNA cytosine38-C5-methyltransferase, tRNA aspartic acid methyltransferase 1, tRNA aspartic acid methyltransferase 1 variant 1, tRNA aspartic acid methyltransferase 1 variant 2, tRNA aspartic acid methyltransferase 1 variant 3, tRNA aspartic acid methyltransferase 1 variant 4, tRNA aspartic acid methyltransferase 1 variant 5, tRNA aspartic acid methyltransferase 1 variant 8. 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 residing in the dinucleotide CpG motif, and this methylation results in transcriptional repression of the target gene. The Dnmt enzymes are encoded by independent genes. Dnmt1 is the most abundant, and it preferentially methylates hemimethylated DNA and coordinates gene expression during development. Additional mammalian Dnmt proteins include Dnmt2 and Dnmt3. Dnmt2 lacks the large N-terminal regulator domain of Dnmt1, is expressed at substantially lower levels in adult tissues, and is likely involved in methylating newly integrated retroviral DNA. Dnmt3a and Dnmt3b are encoded by two distinct genes, but both are abundantly expressed in embryonic stem cells, where they also methylate CpG motifs on DNA.
Gene ID:	1787

Application Details

Application Notes:	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
	ICC 1:100-500

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % 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.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months