

Product datasheet for **AP11029PU-N**

Dnmt2 (TRDMT1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1,000. Western Blot: 1/100-1/500. Immunohistochemistry: 1/10~50.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the human Dnmt2 sequence within aa 300~400.
Specificity:	This antibody will recognize the splice isoforms A, B, and C.
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Protein G Chromatography, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	tRNA aspartic acid methyltransferase 1
Database Link:	Entrez Gene 1787 Human O14717



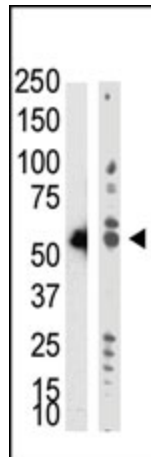
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Background:

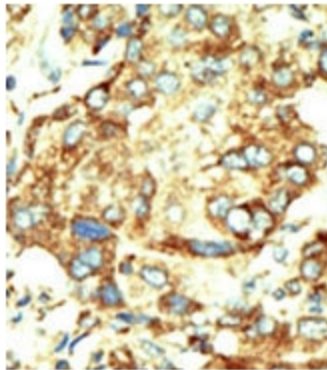
CpG methylation is an epigenetic modification that is important for embryonic development, imprinting, and X-chromosome inactivation. Studies in mice have demonstrated that DNA methylation is required for mammalian development. This gene encodes a protein with similarity to DNA methyltransferases, but this protein does not display methyltransferase activity. The protein strongly binds DNA, suggesting that it may mark specific sequences in the genome. Alternative splicing results in multiple transcript variants encoding different isoforms.

Synonyms:

HsallP, PuMet

Product images:

Western blot analysis: Dnmt2 antibody staining of Jurkat cell lysate (Lane A) and mouse liver tissue lysate (Lane B). Secondary HRP-anti-Rabbit was used for signal visualization with chemiluminescence.



Immunohistochemistry: Dnmt2 antibody staining of Formalin-Fixed, Paraffin-Embedded Human cancer tissue. The primary antibody was peroxidase-conjugated to the secondary antibody, followed by DAB staining.