

## Product datasheet for **TA336598**

### **Dnmt2 (TRDMT1) Rabbit Polyclonal Antibody**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	WB
<b>Recommended Dilution:</b>	Western Blot: 2 ug/ml
<b>Reactivity:</b>	Human, Mouse
<b>Host:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	This antibody was raised against synthetic peptides corresponding amino acids 39-53 and 361-376 of mouse Dnmt2.
<b>Formulation:</b>	PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Protein G purified
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Gene Name:</b>	tRNA aspartic acid methyltransferase 1
<b>Database Link:</b>	<a href="#">NP_004403</a> <a href="#">Entrez Gene 13434 Mouse</a> <a href="#">Entrez Gene 1787 Human</a> <a href="#">O14717</a>



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**Background:**

Methylation of DNA at cytosine residues plays an important role in regulation of gene expression, genomic imprinting and is essential for mammalian development. Hypermethylation of CpG islands in tumor suppressor genes or hypomethylation of bulk genomic DNA may be linked with development of cancer. To date, 3 families of mammalian DNA methyltransferase genes have been identified which include Dnmt1, Dnmt2 and Dnmt3. Dnmt1 is constitutively expressed in proliferating cells and inactivation of this gene causes global demethylation of genomic DNA and embryonic lethality. Dnmt2 is expressed at low levels in adult tissues and its inactivation does not affect DNA methylation or maintenance of methylation. Dnmt2 contains all the sequence motifs diagnostic of DNA (cytosine-5)-methyltransferases but appears to lack the large N-terminal regulatory domain common to other eukaryotic methyltransferases.

**Synonyms:**

DNMT2; DNMT2; MHSAIIP; PUMET; RNMT1

**Note:**

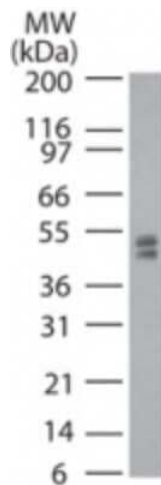
Western Blot: Detects a band of approximately 42 kDa.

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Cysteine and methionine metabolism, Metabolic pathways

**Product images:**

Western Blot: Dnmt2 Antibody TA336598 - analysis of Dnmt2 in mouse ES cell lysate using Dnmt2 antibody at 2 ug/ml.

MW  
116  
97  
66  
55  
36  
31  
21  
14



Western Blot: Dnmt2 Antibody TA336598 -  
Western blot analysis for Dnmt2a using  
TA336598 at 2 ug/ml dilution against 10 ug of  
mouse testis lysates. A protein band of  
approximate mol. wt. of 42 kDa is detected.