

## Product datasheet for **TA347310**

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

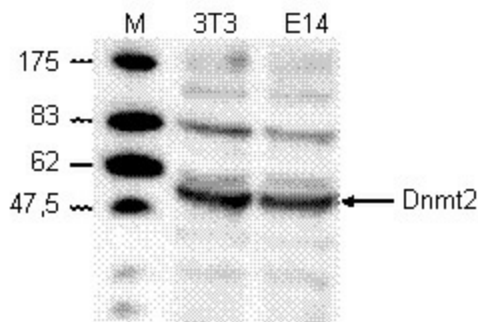
#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	ELISA, WB
<b>Recommended Dilution:</b>	ELISA (1:100 ?? 1:1,000) ; Western blotting (1:1,000)
<b>Reactivity:</b>	Mouse
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	The immunogen for anti-DNMT2 antibody: mouse Dnmt2 (DNA methyltransferase 2), using a KLH-conjugated synthetic peptide containing an amino acid sequence from the N-terminal part of the protein (1).
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Whole antiserum from rabbit containing 0.05% azide.
<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="#">O14717</a>
<b>Background:</b>	Dnmt2 (UniProtKB/Swiss-Prot entry O14717) belongs to the family of DNA cytosine methyltransferases. Dnmt2, however, lacks the large N-terminal regulatory domain common to other eukaryotic methyltransferases and does not methylate CpG in genomic DNA. Instead, it specifically methylates cytosine 38 in the anticodon loop of Asp transfer RNA.
<b>Synonyms:</b>	DMNT2; DNMT2; MHSAIIP; PUMET; RNMT1
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Cysteine and methionine metabolism, Metabolic pathways

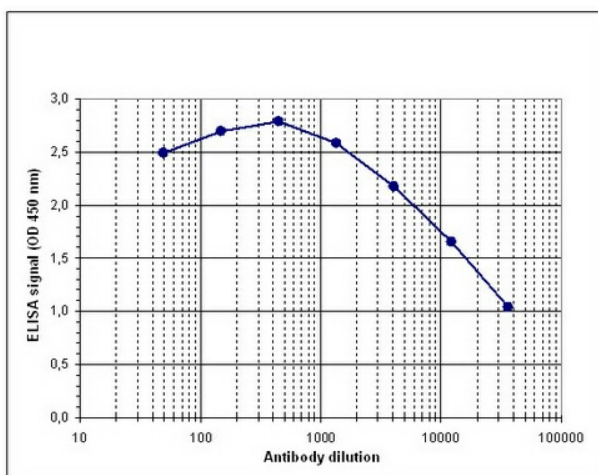


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**Product images:**



WB was performed on whole cell lysates from mouse fibroblasts (NIH3T3) and embryonic stem cells (E14Tg2a) with the antibody against mouse Dnmt2, diluted 1:1000 in BSA/PBS-Tween. The molecular weight marker (M, in kDa) is shown on the left; the location of the protein of interest (47 kDa) is indicated on the right.



Determination of the titer To determine the titer, an ELISA was performed using a serial dilution of the antibody against mouse Dnmt2. The wells were coated with the peptide used for immunisation of the rabbit. By plotting the absorbance against the antibody dilution (Figure 1), the titer of the antibody was estimated to be 1:21,000.