

## Product datasheet for **CF811494**

### **Dnmt2 (TRDMT1) Mouse Monoclonal Antibody [Clone ID: OTI8H10]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI8H10
<b>Applications:</b>	WB
<b>Recommended Dilution:</b>	WB 1:500~2000
<b>Reactivity:</b>	Human, Mouse
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Human recombinant protein fragment corresponding to amino acids 84-293 of human TRDMT1 (NP_004403) produced in E.coli.
<b>Formulation:</b>	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
<b>Reconstitution Method:</b>	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<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>Predicted Protein Size:</b>	44.4 kDa
<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="#">Q14717</a>



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**Background:**

This gene encodes a protein responsible for the methylation of aspartic acid transfer RNA, specifically at the cytosine-38 residue in the anticodon loop. This enzyme also possesses residual DNA-(cytosine-C5) methyltransferase activity. While similar in sequence and structure to DNA cytosine methyltransferases, this gene is distinct and highly conserved in its function among taxa. [provided by RefSeq, Jun 2010]

**Synonyms:**

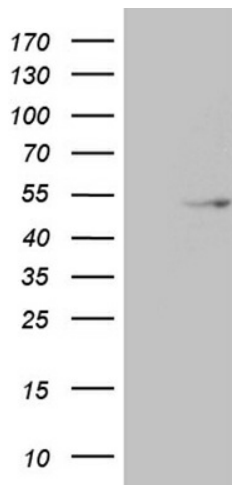
DMNT2; DNMT2; MHSAIIP; PUMET; RNMT1

**Protein Families:**

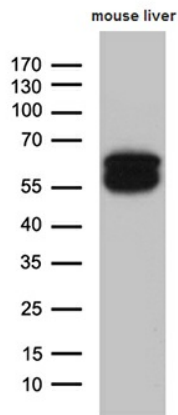
Druggable Genome

**Protein Pathways:**

Cysteine and methionine metabolism, Metabolic pathways

**Product images:**


HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY TRDMT1 (Cat# [RC208363], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TRDMT1 (Cat# [TA811494])(1:2000). Positive lysates [LY401401] (100ug) and [LC401401] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from mouse liver tissue lysate by using anti-TRDMT1 monoclonal antibody (1:500).