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## **DNMT2 (M) Antibody, Rabbit Polyclonal**

**Cat#: R0263-1**

**Quantity: 100 ul**

**Predicted M.W.: 45 kDa**

**Lot#: Refer to vial**

**Application: WB**

**Uniprot ID: O14717**

### **Background:**

DNA (cytosine-5)-methyltransferase-like protein 2 (DNMT2) is also known as tRNA (cytosine(38)-C(5))-methyltransferase (TRDMT1), which belongs to the C5-methyltransferase family. DNMTs is 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, DNMT2 is distinct and highly conserved in its function.

### **Other Names:**

tRNA (cytosine(38)-C(5))-methyltransferase, DNA (cytosine-5)-methyltransferase-like protein 2, Dnmt2, DNA methyltransferase homolog HsaIIP, DNA MTase homolog HsaIIP, M.HsaIIP, PuMet, TRDMT1

### **Source and Purity:**

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the middle region of human DNMT2. Antibodies were purified by affinity purification using immunogen.

### **Storage Buffer and Condition:**

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN<sub>3</sub>. Store at -20 °C. Stable for 6 months from date of receipt.

### **Species Specificity:**

Human, Mouse

### **Tested Applications:**

WB: 1:1,000-1:5,000 (detect endogenous protein\*)

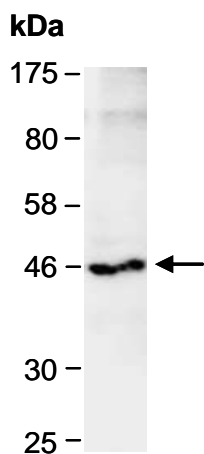
\*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.



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**Product Data:**



**Fig 1.** Western blot of total cell extracts from mouse liver, using Ab (R0263-1) at RT for 2 h.

Last Update: 08/2011

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