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# TFB2M (N) Antibody, Rabbit Polyclonal

**Cat#: R1703-1**                                                   **Lot#: Refer to vial**

**Quantity: 100 ul**                                             **Application: WB**

**Predicted I Observed M.W.: 45 I 42 kDa**         **Uniprot ID: Q9H5Q4**

## Background:

Mitochondrial dimethyladenosine transferase 2 (TFB2M) belongs to the class I-like SAM-binding methyltransferase superfamily. It is an S-adenosyl-L-methionine-dependent methyltransferase which specifically dimethylates mitochondrial 12S rRNA at the conserved stem loop. TFB2M is also required for basal transcription of mitochondrial DNA, probably via its interaction with POLRMT and TFAM. TFB2M stimulates transcription independently of the methyltransferase activity. Compared to TFB1M, it activates transcription of mitochondrial DNA more efficiently, while it has less methyltransferase activity.

## Other Names:

Mitochondrial Dimethyladenosine transferase 2, Hepatitis C virus NS5A-transactivated protein 5, HCV NS5A-transactivated protein 5, Mitochondrial 12S rRNA dimethylase 2, Mitochondrial transcription factor B2, h-mtTFB, h-mtTFB2, hTFB2M, mtTFB2, S-adenosylmethionine-6-N', N'-adenosyl(rRNA) dimethyltransferase 2, NS5ATP5

## Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing N-terminal region of human TFB2M. 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% $NaN_3$. Store at -20 °C. Stable for 6 months from date of receipt.
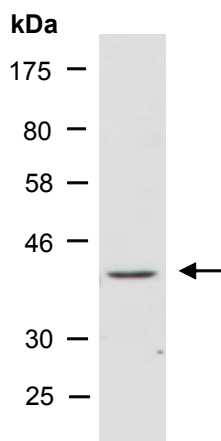
## Species Specificity:

Human, Mouse

## Tested Applications:

WB: 1:1,000-1:3,000 (detect endogenous protein*)

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

## Product Data:



**kDa**

175 —

80 —

58 —

46 —

←

30 —

25 —

***Fig 1.*** *Western blot of total cell extracts from human HeLa; using anti-TFB2M (N) (R1703-1) at RT for 2 h.*