

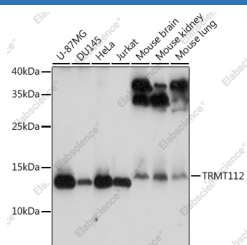
## TRMT112 Polyclonal Antibody

catalog number: E-AB-90796

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

| Description  |                                                                                    |
|--------------|------------------------------------------------------------------------------------|
| Reactivity   | Human;Mouse;Rat                                                                    |
| Immunogen    | Recombinant fusion protein of human TRMT112                                        |
| Host         | Rabbit                                                                             |
| Isotype      | Rabbit IgG                                                                         |
| Purification | Affinity purification                                                              |
| Buffer       | Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol. |
| Applications | Recommended Dilution                                                               |
| WB           | 1:500-1:2000                                                                       |

## Data



Western blot analysis of extracts of various cell lines using TRMT112 Polyclonal Antibody at 1:3000 dilution.

**Observed-MW:14 kDa**

**Calculated-MW:13 kDa/14 kDa**

| Preparation & Storage |                                                                                                        |
|-----------------------|--------------------------------------------------------------------------------------------------------|
| Storage               | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.                                        |
| Shipping              | The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended. |

## Background

Acts as an activator of both rRNA/tRNA and protein methyltransferases. Together with methyltransferase BUD23, methylates the N(7) position of a guanine in 18S rRNA. The heterodimer with HEMK2/N6AMT1 catalyzes N5-methylation of ETF1 on 'Gln-185', using S-adenosyl L-methionine as methyl donor. The heterodimer with HEMK2/N6AMT1 also monomethylates 'Lys-12' of histone H4 (H4K12me1. The heterodimer with ALKBH8 catalyzes the methylation of 5-carboxymethyl uridine to 5-methylcarboxymethyl uridine at the wobble position of the anticodon loop in target tRNA species. Involved in the pre-rRNA processing steps leading to small-subunit rRNA production. Together with methyltransferase METTL5, specifically methylates the 6th position of adenine in position 1832 of 18S rRNA.

## For Research Use Only

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