



# TYW2 rabbit pAb

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| Catalog No         | BYab-11966                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Isotype            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Reactivity         | Human; Mouse;Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Applications       | WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Gene Name          | TRMT12 TRM12 TYW2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Protein Name       | TYW2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Immunogen          | Synthesized peptide derived from human TYW2 AA range: 11-61                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Specificity        | This antibody detects endogenous levels of TYW2 at Human/Mouse/Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Formulation        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Source             | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Purification       | The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Dilution           | WB 1: 500-2000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Concentration      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Purity             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Storage Stability  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Synonyms           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Observed Band      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Cell Pathway       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Tissue Specificity |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Function           | function:Probable S-adenosyl-L-methionine-dependent methyltransferase that acts as a component of the wybutosine biosynthesis pathway. Wybutosine is a hyper modified guanosine with a tricyclic base found at the 3'-position adjacent to the anticodon of eukaryotic phenylalanine tRNA.,pathway:tRNA modification; wybutosine-tRNA(Phe) biosynthesis.,sequence caution:Contaminating sequence. Potential poly-A sequence starting in position 371.,sequence caution:Translation N-terminally shortened.,similarity:Belongs to the RNA methyltransferase trmD family. TYW2 subfamily., |
| Background         | Wybutosine (yW) is a hypermodified guanosine at the 3-prime position adjacent to the anticodon of phenylalanine tRNA that stabilizes codon-anticodon interactions during decoding on the ribosome. TRMT12 is the human homolog of a yeast gene                                                                                                                                                                                                                                                                                                                                           |

**Nanjing BYabscience technology Co.,Ltd**



essential for yW synthesis (Noma and Suzuki, 2006).[supplied by OMIM, Mar 2008],

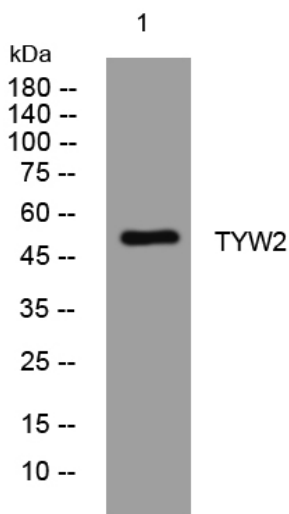
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western blot analysis of lysates from HeLa cells, primary antibody was diluted at 1:1000, 4°over night