

## Anti-nmt55/p54nrb Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

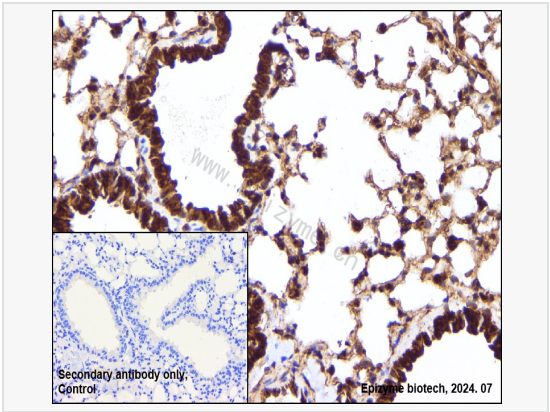
Catalog # R013497

### Product Information

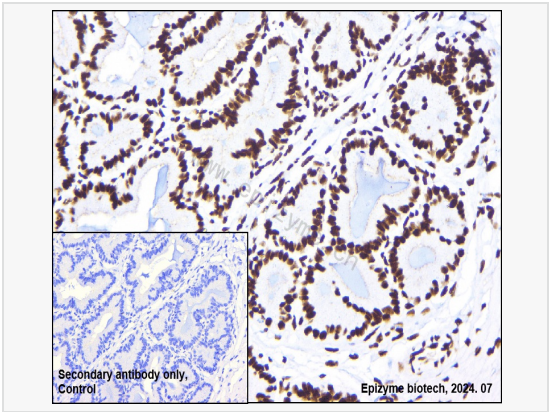
|             |                                                                                                                             |
|-------------|-----------------------------------------------------------------------------------------------------------------------------|
| Application | IF (Cell)/ICC, WB, ELISA, IHC-P/IF (Tissue-P)                                                                               |
| Reactivity  | Human, Rat                                                                                                                  |
| Dilution    | WB 1:1,000~1:2,000; IHC-P 1:200; IF 1:100                                                                                   |
| Host        | Rabbit                                                                                                                      |
| Clonality   | Monoclonal                                                                                                                  |
| Clone No.   | 98M11M21                                                                                                                    |
| Isotype     | IgG                                                                                                                         |
| Label       | Unconjugated                                                                                                                |
| Immunogen   | A synthesized peptide derived from human NMT55/p54nrb                                                                       |
| Format      | Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.                     |
| Storage     | Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage. |
| Precautions | Anti-nmt55/p54nrb Rabbit mAb [98M11M21] is for research use only and not for use in diagnostic or therapeutic procedures.   |

### Protein Information

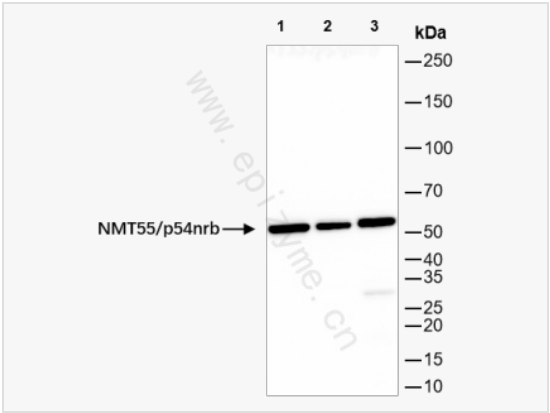
|               |                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Synonyms      | P54, NMT55, NRB54, MRXS34, P54NRB, PPP1R114.                                                                                                                                                                                                                                                                                                                                                                      |
| Calculated MW | Calculated MW: 54 kDa; Observed MW: 54 kDa                                                                                                                                                                                                                                                                                                                                                                        |
| Uniprot ID    | Q15233                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene ID       | 4841                                                                                                                                                                                                                                                                                                                                                                                                              |
| Background    | This gene encodes an RNA-binding protein which plays various roles in the nucleus, including transcriptional regulation and RNA splicing. A rearrangement between this gene and the transcription factor E3 gene has been observed in papillary renal cell carcinoma. Alternatively spliced transcript variants have been described. Pseudogenes exist on Chromosomes 2 and 16.<br>[provided by RefSeq, Feb 2009] |



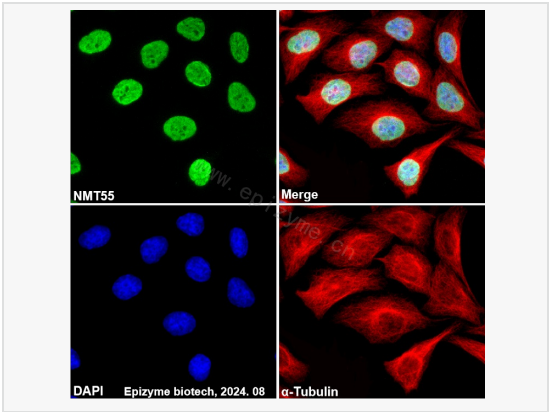
Immunohistochemistry - Anti-nmt55/p54nrb Rabbit mAb [98M11M21]  
Sample: Paraformaldehyde-fixed, paraffin embedded human ovarian cancer tissue  
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.  
Primary antibody: R013497 at 1:200 dilution  
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution  
DAB was used as the chromogen.  
Counter stained with hematoxylin.  
Positive/negative staining were presented.  
Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-nmt55/p54nrb Rabbit mAb [98M11M21]  
Sample: Paraformaldehyde-fixed, paraffin embedded rat prostate tissue  
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.  
Primary antibody: R013497 at 1:200 dilution  
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution  
DAB was used as the chromogen.  
Counter stained with hematoxylin.  
Positive/negative staining were presented.  
Only the secondary antibody was used as the negative control.



Western Blot - Anti-nmt55/p54nrb Rabbit mAb [98M11M21]  
All lanes: R013497 at 1:2,000 dilution  
Lane 1: RAW264.7 (Mouse mononuclear macrophage leukemia epithelium cells)  
Lane 2: Jurkat (Human T lymphocytic leukemia cell) whole cell lysates  
Lane 3: Rat spleen whole tissue lysates  
Lysates/proteins at 10 µg per lane.  
Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution  
Predicted band size: 54 kDa  
Observed band size: 54 kDa  
Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-nmt55/p54nrb Rabbit mAb [98M11M21]  
Sample: HeLa cells  
The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.  
Primary antibodies: R013497 at 1:100 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution  
Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)  
Nuclei were stained with DAPI (shown in blue).