

## Anti-Importin 9 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

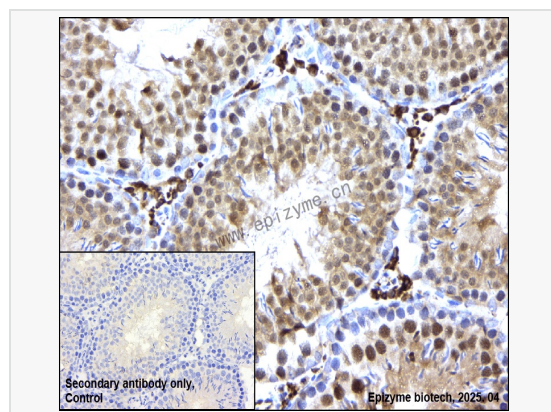
Catalog # R015334

### Product Information

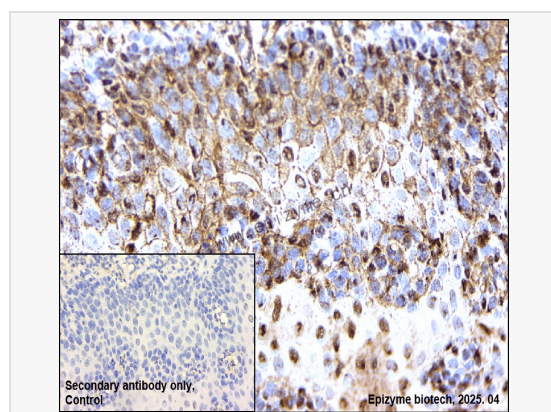
|             |                                                                                                                             |
|-------------|-----------------------------------------------------------------------------------------------------------------------------|
| Application | WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA                                                                               |
| Reactivity  | Human, Mouse, Rat                                                                                                           |
| Dilution    | WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200                                                                       |
| Host        | Rabbit                                                                                                                      |
| Clonality   | Monoclonal                                                                                                                  |
| Clone No.   | 48C25L00                                                                                                                    |
| Isotype     | IgG                                                                                                                         |
| Label       | Unconjugated                                                                                                                |
| Immunogen   | A synthesized peptide derived from human RanBP9                                                                             |
| 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-Importin 9 Rabbit mAb [48C25L00] is for research use only and not for use in diagnostic or therapeutic procedures.     |

### Protein Information

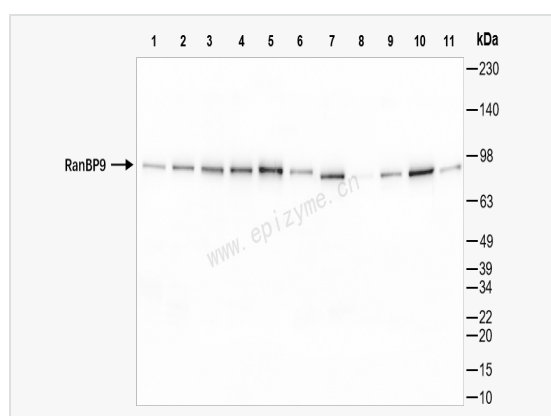
|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Synonyms          | Imp9; Imp9a; Imp9b; Importin-9; Importin-9a; Ipo9; IPO9_HUMAN; Ran-binding protein 9; RanBP9.                                                                                                                                                                                                                                                                                                                                                                   |
| Calculated MW     | Calculated MW: 115 kDa; Observed MW: 91 kDa                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Uniprot ID        | Q96S59                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Gene ID           | 10048                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Background        | This gene encodes a protein that binds RAN, a small GTP binding protein belonging to the RAS superfamily that is essential for the translocation of RNA and proteins through the nuclear pore complex. The protein encoded by this gene has also been shown to interact with several other proteins, including met proto-oncogene, homeodomain interacting protein kinase 2, androgen receptor, and cyclin-dependent kinase 11. [provided by RefSeq, Jul 2008]. |
| Cellular Location | Cytoplasm. Nucleus.                                                                                                                                                                                                                                                                                                                                                                                                                                             |



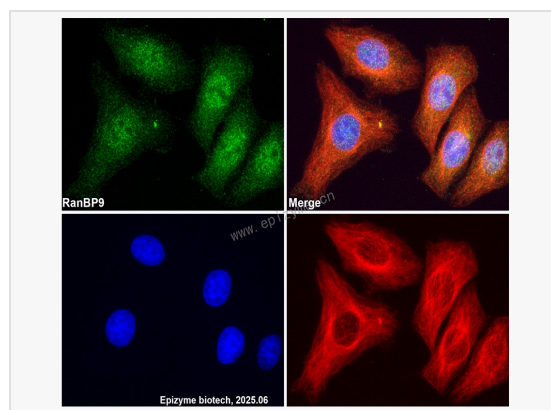
Immunohistochemistry - Anti-Importin 9 Rabbit mAb [48C25L00]  
 Sample: Paraformaldehyde-fixed, paraffin embedded rat testis tissue  
 Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.  
 Primary antibody: R015334 at 1:200 dilution  
 Secondary antibody: Goat Anti-Rabbit IgG (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-Importin 9 Rabbit mAb [48C25L00]  
 Sample: Paraformaldehyde-fixed, paraffin embedded human esophageal cancer tissue  
 Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.  
 Primary antibody: R015334 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-Importin 9 Rabbit mAb [48C25L00]  
 All lanes: R015334 at 1:1,000 dilution  
 Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates  
 Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates  
 Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates  
 Lane 4: 293T (Human embryonic kidney cell) whole cell lysates  
 Lane 5: K562 (Human chronic myeloid leukemia cell) whole cell lysates  
 Lane 6: U87 (Human malignant glioblastoma epithelial cells) whole cell lysates  
 Lane 7: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates  
 Lane 8: Mouse heart whole tissue lysates  
 Lane 9: Mouse brain whole tissue lysates  
 Lane 10: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates  
 Lane 11: Rat heart 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: 115 kDa  
 Observed band size: 91 kDa  
 Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-Importin 9 Rabbit mAb [48C25L00]  
 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: R015334 at 1:100 dilution and  $\alpha$ -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).

