

## Anti-c-Myc Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

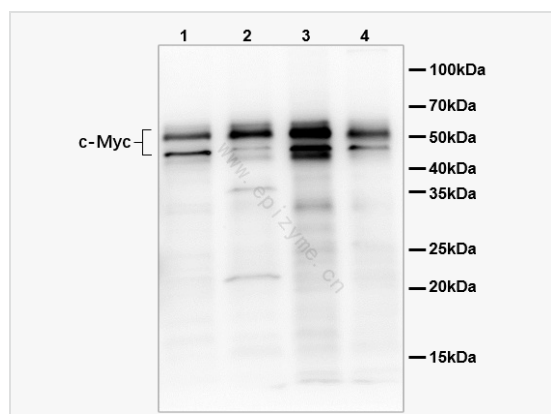
Catalog # R013211

### Product Information

|             |                                                                                                                             |
|-------------|-----------------------------------------------------------------------------------------------------------------------------|
| Application | IF (Cell)/ICC, ELISA, IHC-P/IF (Tissue-P), WB                                                                               |
| Reactivity  | Human                                                                                                                       |
| Dilution    | WB 1:1,000~1:2,000; IHC-P 1:200; IF 1:100                                                                                   |
| Host        | Rabbit                                                                                                                      |
| Clonality   | Monoclonal                                                                                                                  |
| Clone No.   | 12K09K04                                                                                                                    |
| Isotype     | IgG                                                                                                                         |
| Label       | Unconjugated                                                                                                                |
| Immunogen   | A synthesized peptide derived from human c-Myc                                                                              |
| 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-c-Myc antibody [12K09K04] is for research use only and not for use in diagnostic or therapeutic procedures.            |

### Protein Information

|               |                                                                                                                                                                                                     |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Synonyms      | MYC, BHLHE39, Myc proto-oncogene protein, Class E basic helix-loop-helix protein 39, bHLHe39, Proto-oncogene c-Myc, Transcription factor p64.                                                       |
| Calculated MW | Calculated MW: 49 kDa; Observed MW: 45 kDa, 57 kDa                                                                                                                                                  |
| Uniprot ID    | P01106                                                                                                                                                                                              |
| Gene ID       | 4609                                                                                                                                                                                                |
| Background    | Myc a proto-oncogenic transcription factor that plays a role in cell proliferation, apoptosis and in the development of human tumors.. Seems to activate the transcription of growth-related genes. |



#### Western Blot - Anti-c-Myc Rabbit mAb [12K09K04]

All lanes: R013211 at 1:1,000 dilution

Lane 1: HeLa (human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: Jurkat (human T lymphocytic leukemia cell) whole cell lysates

Lane 3: HCT116 (human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: HepG2 (human hepatocellular carcinoma epithelial cell) whole cell lysates

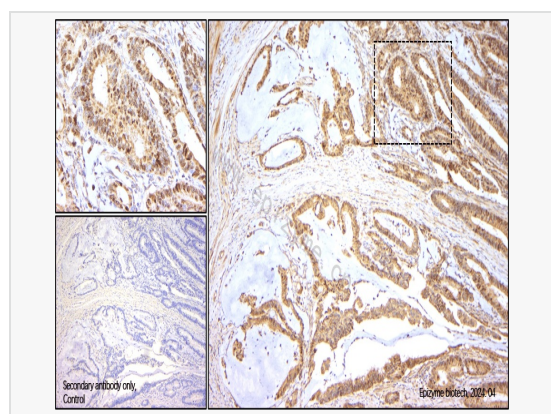
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 49 kDa

Observed band size: 45 kDa, 57 kDa

Developed using the ECL technique (Cat. No. SQ201).



#### Immunohistochemistry - Anti-c-Myc Rabbit mAb [12K09K04]

Sample: Paraformaldehyde-fixed, paraffin embedded human colorectal carcinoma tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R013211 at 1:200 dilution

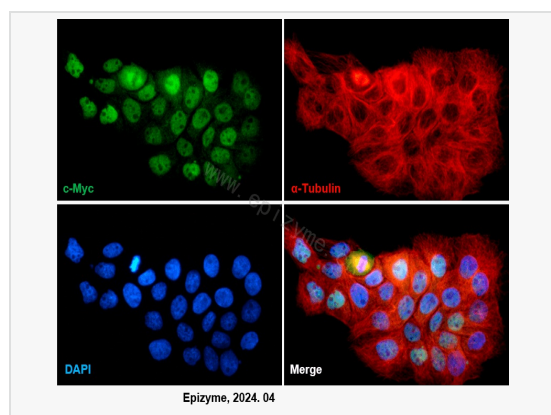
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

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.



#### Immunofluorescence - Anti-c-Myc Rabbit mAb [12K09K04]

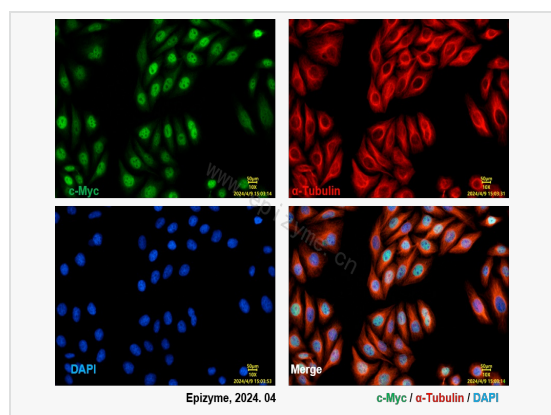
Sample: A431 cells

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: R013211 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 (CY3) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).



#### Immunofluorescence - Anti-c-Myc Rabbit mAb [12K09K04]

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: R013211 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 (CY3) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).