

**Rabbit Anti-c-Myc [EP121]: RM0070, RM0070RTU7**

**Intended Use:** For Research Use Only

**Description:** The c-Myc gene is located at chromosome 8q24. It is required for progression through the cell cycle and promotes cellular proliferation. The t(8;14)(q24;q32) translocation and the c-MYC/immunoglobulin heavy-chain (IGH) fusion gene are not only in Burkitt lymphoma, but are also seen in diffuse large B-cell lymphoma, blastic mantle cell lymphoma and transformed follicular lymphoma. In another study on predicting c-MYC translocation in 17 cases of Burkitt lymphomas (BLs) and 19 cases of diffuse large B-cell lymphomas (DLBCLs), Ruzinova et al. reported that the sensitivity and specificity of this c-Myc antibody on identifying tumor harboring a c-MYC rearrangement reached 96% and 90% respectively. This novel c-Myc antibody is a useful tool for identifying aggressive B-cell lymphomas likely to harbor a c-MYC rearrangement, and thus warrant genetic testing.

**Specifications**

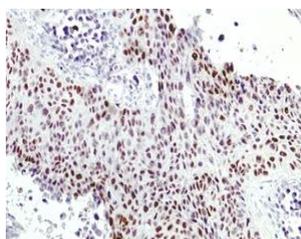
Clone: EP121  
 Source: Rabbit  
 Reactivity: Human  
 Isotype: IgG  
 Localization: Nucleus  
 Formulation: Antibody in PBS pH 7.4, containing BSA and  $\leq 0.09\%$  sodium azide (NaN<sub>3</sub>)  
 Storage: Store at 2°- 8°C  
 Applications: IHC  
 Package:

Description	Catalog No.	Size
c-Myc [EP121] Concentrated	RM0070	1 ml
c-Myc [EP121] Prediluted	RM0070RTU7	7 ml

**IHC Procedure\***

Positive Control Tissue: Lung carcinoma, Burkitt lymphomas  
 Concentrated Dilution: 50-200  
 Pretreatment: EDTA pH 8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C  
 Incubation Time and Temp: 30-60 minutes @ RT  
 Detection: Refer to the detection system manual

\* Result should be confirmed by an established diagnostic procedure.



FFPE human lung carcinoma stained with anti-c-Myc using DAB

**References:**

1. Evaluation of MYC status in oral lichen planus in patients with progression to oral squamous cell carcinoma. Segura S, et al. Br J Dermatol. Jul;169(1):106-14, 2013.
2. Growing importance of MYC/BCL2 immunohistochemistry in diffuse large B-cell lymphomas. Pfreundschuh M. J. Clin Oncol. Oct 1;30(28):3433-5, 2012.
3. MYC gene amplification is often acquired in lethal distant breast cancer metastases of unamplified primary tumors. Singhi AD, et al. Mod Pathol. Mar;25(3):378-87, 2012.