Rev03
Update: Dec,14,2021

**DATASHEET**

# c-Myc-tag Antibody, pAb, Rabbit

**Cat. No.:** A00172

## Overview

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|---|---|
| **Specificity** | This Antibody recognizes c-Myc tagged fusion proteins. |
| **Host Species** | Rabbit |
| **Immunogen** | c-Myc epitope tag peptide EQKLISEEDL conjugated to KLH |
| **Conjugate** | Unconjugated |

## Applications

Working concentrations for specific applications should be determined by the investigator.The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors.The suitability of this antibody for applications other than those listed below has not been determined.The following concentration ranges are recommended starting points for this product.

| Application | Recommended Usage |
|---|---|
| ELISA | 0.05-0.2 µg/ml |
| Western Blot | 0.1-1.0 µg/ml |
| Western Blot | 1:100-1:1,000 |
| Immunofluorescence | 5-20 µg/ml |
| Immunoprecipitation (IP) | 2-5 µg/ml |
| Other applications | User-optimized |

## Properties

| | |
|---|---|
| **Form** | Lyophilized |
| **Storage Buffer** | Lyophilized with PBS, pH 7.4, containing 0.02% sodium azide |
| **Reconstitution** | Reconstitute the lyophilized powder with deionized water (or equivalent) to an final concentration of 0.5 mg/ml. |

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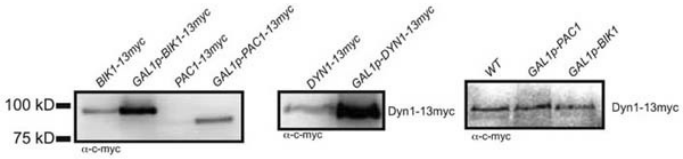
| | |
|---|---|
| **Storage Instructions** | The antibody is stable in lyophilized form if stored at -20°C or below.The reconstituted antibody can be stored for 2-3 weeks at 2-8°C.For long term storage, aliquot and store at -20°C or below.Avoid repeated freezing and thawing cycles. |
| **Purification** | Affinity chromatography |
| **Isotype** | Rabbit IgG |
| **Clonality** | Polyclonal |
| **Clone Id** | Not applicable |

# Examples




**Customer Reviews:**

c-Myc-tag Antibody, pAb, Rabbit (GenScript，A00172) were used in western blotting to show overexpression of Bik1, Pac1, or Dyn1 by *GAL1* promoter in budding yeast.

Left and middle:

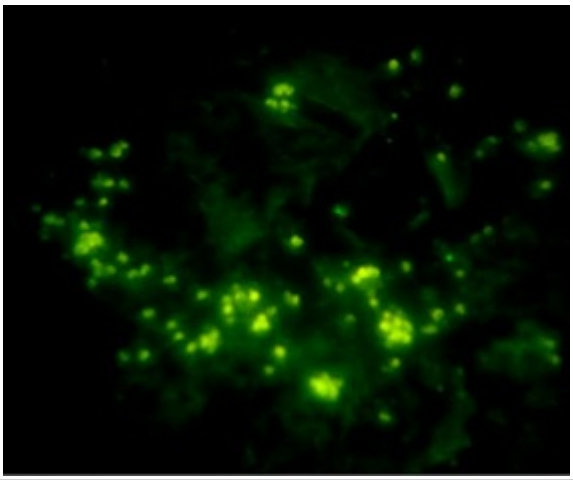
Western blot of cell lysates prepared from strains with either endogenous or GAL1 promoter driving expression of indicated 13myc-tagged gene.

Right:

Western blot of Dyn1-13myc protein in strains with either the endogenous or *GAL1* promoter driving the expression of *PAC1* or *BIK1*.

For all blots, equal amount of total cell lysate was loaded in each lane, transferred to PVDF and probed with anti-c-Myc antibody(GenScript, A00172).

All strains were grown to mid-log phase in SD media supplemented with 2% galactose, and then harvested.



Immunofluorescent analysis of human kidney tissue slide using

Rabbit Anti-c-Myc-tag Polyclonal Antibody (GenScript, A00172)

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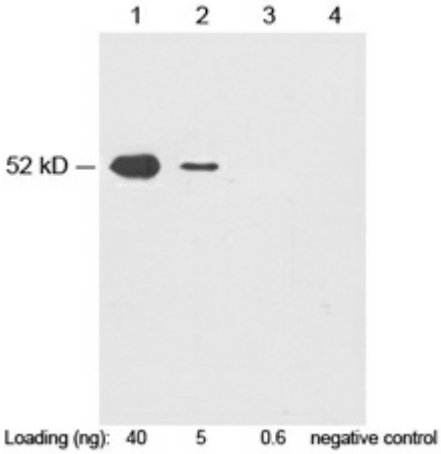
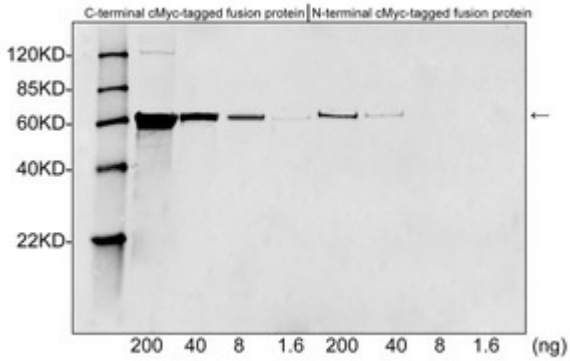
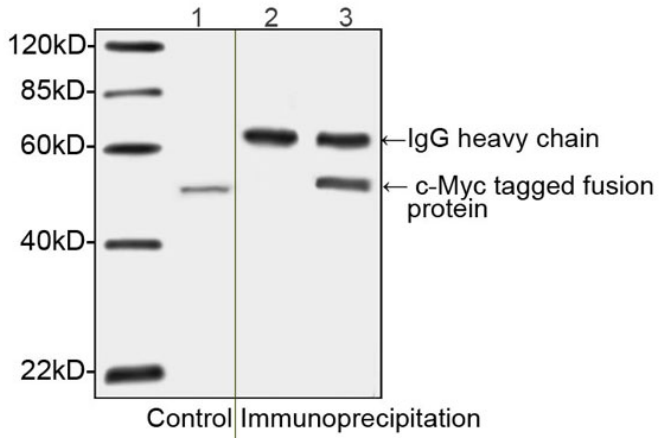



Western blot analysis of c-Myc fusion protein (MW≈52KD) using 1 μg/ml Rabbit Anti-c-Myc-tag Polyclonal Antibody (GenScript, A00172)
Lane 1-3: c-Myc fusion protein in HEK293 cell lysate
Lane 4: Negative HEK293 cell lysate
Secondary antibody: Goat Anti-Rabbit IgG (H&L) [HRP] Polyclonal Antibody (GenScript, A00098, 1:20,000)
The signal was developed with LumiSensor™ HRP Substrate Kit (GenScript, L00221V500)




Western blot analysis of c-Myc tagged fusion proteins expressed in E. coli cell lysate using c-Myc-tag Antibody (GenScript, A00172, 1 μg/ml)
The signal was developed with IRDye™ 800 Conjugated Goat Anti-Rabbit IgG.




Western blot analysis of immunoprecipitates from c-Myc-tagged protein using c-Myc-tag Antibody, pAb, Rabbit (Cat. No. A00172).
Lane 1: c-Myc tagged fusion protein as control.
Lane 2: Immunoprecipitates of c-Myc tagged fusion protein incubated with Rabbit IgG Control (GenScript, Cat. No. A01008) and Protein A served as negative control
Lane 3: Immunoprecipitates of c-Myc tagged fusion protein incubated with c-Myc-tag Antibody, pAb, Rabbit (GenScript, A00172) and Protein A.

The signal was developed with IRDyeTM800 Conjugated affinity Purified Goat Anti-Rabbit IgG.

# Background

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**Target Background :** The c-Myc protein is a transcription factor, encoded by the c-Myc gene on human chromosome 8q24.c-Myc is commonly activated in a variety of tumor cells and plays an important role in cellular proliferation, differentiation, apoptosis, and cell cycle progression.A synthetic peptide corresponding to residues 410-419 of the human p62 c-myc protein conjugated to KLH is used as immunogen.c-Myc-tag provides a method of localizing gene products in a variety of cell types, to study the topology of proteins and protein complexes and of identifying associated proteins.This product is suitable for detecting the expression level of c-Myc fusion proteins or c-Myc by various immunoassays.

**Synonyms :** Rabbit Anti-c-Myc-tag pAb;

**For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.**