

**DATASHEET**

Version: 2016-08-17

**c-Myc-tag Antibody, pAb, Rabbit****Cat. No.:** A00172-40**Size:** 40 µg**Synonyms:** Rabbit Anti-c-Myc-tag pAb;**Description:**

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.

**Immunogen:** c-Myc epitope tag peptide EQKLISEEDL conjugated to KLH

**Host:** Rabbit

**Conjugation:** Unconjugated

**Formulation:**

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide

**Ig Subclass:** Rabbit IgG

**Specificity:** This Antibody recognizes c-Myc tagged fusion proteins.

**Purification:** Immunoaffinity chromatography

**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.

**ELISA:** 0.05-0.2 µg/ml

**Western blot:** 0.1-1.0 µg/ml

**Western blot using ONE-HOUR Western™ Kit:** For quick results, GenScript ONE-HOUR Western™ Kit L00204C is recommended. 10 µg of this antibody is mixed with 10 ml of WB solution for 8 cm x 8 cm membrane.

**Immunofluorescence:** 5-20 µg/ml

**Immunoprecipitation (IP):** 2-5 µg/ml

**Other applications:** user-optimized

**Reconstitution:**

Reconstitute the lyophilized product with deionized water (or equivalent) to the final concentration of 0.5 mg/ml.

**Storage:**

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.