

**c-myc . Mouse Monoclonal Antibody**  
cmyc; Myc proto-oncogene protein; transcription factor p64

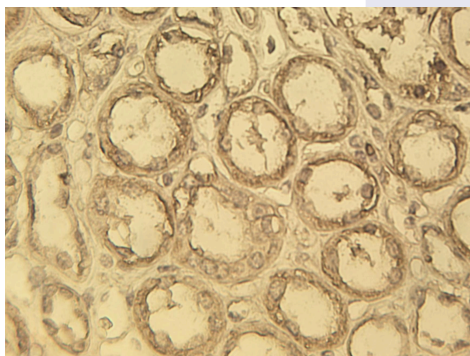
**BACKGROUND**

Human c-myc belongs to a family of 5 myc oncogenes. Amplification of c-myc has been found in several types of human tumors including breast and colon carcinomas. Induction of c-myc in cells grown in the appropriate growth factors or co-expression with survival genes, such as bcl-2 causes cell proliferation. In the absence of these factors, c-myc expression causes cell death. c-myc gene gives rise to at least two nuclear phosphoproteins of 64kDa and 67kDa, the unphosphorylated form is 49kDa.

**IMMUNOGEN**

Hybridoma produced by the fusion of splenocytes from mice immunized with recombinant full-length human c-Myc protein and mouse myeloma cells.

Immunohistochemical staining of normal kidney tissue section using c-Myc antibody, clone 33 (Cat. No. N115M) at 10  $\mu$ g/ml.



**ORDERING INFORMATION**

**CATALOG NUMBER**

N115M

**SIZE**

100  $\mu$ g

**FORM**

Unconjugated

**HOST/CLONE**

Mouse Clone 33

**FORMULATION**

Provided as solution in phosphate buffered saline with 0.08% sodium azide

**CONCENTRATION**

See vial for concentration

**ISOTYPE**

IgG1

**APPLICATIONS**

Western Blot, Immunoprecipitation, Immunohistochemistry

**SPECIES REACTIVITY**

Human, Mouse, Avian

**ACCESSION NUMBER**

Human	P01106
Mouse	P01108
Rat	P09416

**POSITIVE CONTROL/TISSUE EXPRESSION**

**COMMENTS**

Application: Western Blot, Immunoprecipitation (both with and without SDS), Immunofluorescence, Frozen Sections -- Myc is a labile protein, therefore protease inhibitors should be used at all times.

**PURIFICATION**

Protein A/G Chromatography

**SHIP CONDITIONS**

Room Temperature

**STORAGE CUSTOMER**

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

**STABILITY**

Antibodies are stable for one year from purchase if stored frozen

**REFERENCES**

- 1) K. Alitala et. al. (1983) Proc. Natl. Acad. Sci., 80: 1707-1711
- 2) H. Person et.al. (1984) Science 225 687-693

**PRODUCT SPECIFIC REFERENCES**