

## Datasheet

### c-Myc tag recombinant monoclonal antibody, clone 9E10

**Catalog Number:** RAB00163

**Regulatory Status:** For research use only (RUO)

**Product Description:** Recombinant rat monoclonal antibody raised against c-Myc tag.

**Clone Name:** 9E10

**Immunogen:** Original antibody is raised against a synthetic peptide corresponding to amino acids 408-439 of human c-myc.

**Reactivity:** Human

**Applications:** IF, IHC-Fr, IHC-P, IP, WB  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Specificity:** The epitope sequence, EQKLISEEDL, is located in aa 410-419 of human c-myc protein.

**Form:** Liquid

**Purification:** Protein A affinity purification

**Isotype:** IgG2a, kappa

**Recommend Usage:** Immunofluorescence  
Immunohistochemistry (Frozen sections) (5 ug/mL)  
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (5 ug/mL)  
Immunoprecipitation (10 ug/mL)  
Western Blot (1 ug/mL)  
The optimal working dilution should be determined by the end user.

**Storage Buffer:** In PBS, pH 7.2 (0.02% Proclin 300).

**Storage Instruction:** Store at 4°C. For long term storage store at -20°C.  
Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 4609

**Gene Symbol:** MYC

**Gene Alias:** bHLHe39, c-Myc

**Gene Summary:** The protein encoded by this gene is a multifunctional, nuclear phosphoprotein that plays a role in cell cycle progression, apoptosis and cellular transformation. It functions as a transcription factor that regulates transcription of specific target genes. Mutations, overexpression, rearrangement and translocation of this gene have been associated with a variety of hematopoietic tumors, leukemias and lymphomas, including Burkitt lymphoma. There is evidence to show that alternative translation initiations from an upstream, in-frame non-AUG (CUG) and a downstream AUG start site result in the production of two isoforms with distinct N-termini. The synthesis of non-AUG initiated protein is suppressed in Burkitt's lymphomas, suggesting its importance in the normal function of this gene. [provided by RefSeq]