

10-10013: Monoclonal Antibody to c-MYC (Clone: 9E10)

Clonality :	Monoclonal
Clone Name :	9 E 10
Application :	WB
Reactivity :	Human
Gene :	MYC
Gene ID :	4609
Uniprot ID :	P01106
Format :	Purified
Alternative Name :	MYC,BHLHE39
Isotype :	Mouse IgG1 Kappa
Immunogen Information :	A synthetic peptide corresponding to amino acids 408-432 (AEEQKLISEEDLLRKRREQLKHKLE) of human c-Myc was used as the immunogen for this antibody.

Description

c-Myc proto-oncogene encodes nuclear DNA-binding phosphoproteins that are involved in the regulation of gene expression and DNA replication during cell growth and differentiation. Myc encodes a protein of 65 kDa which is expressed in almost all normal and transformed cells. The Myc protein activates transcription as part of a heteromeric complex with Max. Myc protein represses the expression of Ferritin-H, which sequesters intracellular iron, and stimulates the expression of IRP2 (Iron Regulatory Protein-2), which increases the intracellular iron pool. Myc induces transcription of the E2F1, E2F2 and E2F3 genes. Myc-induced S phase and apoptosis requires distinct E2F activities. The induction of specific E2F activities is an essential component in the Myc pathways that control cell proliferation and cell fate decisions.

Product Info

Amount :	25 µg / 100 µg
Purification :	Protein G Chromatography
Content :	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Western blot analysis: 2-4 µg/ml

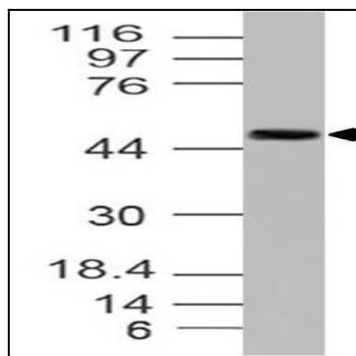


Fig-1: Western blot analysis of c-Myc. Anti-c-Myc antibody (Clone:9 E 10) was tested at 2 µg/ml on HEK293 lysate.