

## Anti-C-Myc Polyclonal Antibody 2

### Product Details

Ig Type:	IgG
Reactivity:	Human (predicted:Mouse,Rat,Rabbit)
Molecular Weight:	Theoretical: 49 kDa. Actual: 60 kDa.
Purification:	Protein A purified

### Applications

Verified Activity:	<p>1. Sample:</p> <p>Lane 1: Raji (Human) Cell Lysate at 30 µg Lane 2: Hela (Human) Cell Lysate at 30 µg Lane 3: Jurkat (Human) Cell Lysate at 30 µg Lane 4: K562 (Human) Cell Lysate at 30 µg Lane 5: Molt-4 (Human) Cell Lysate at 30 µg Lane 6: U937 (Human) Cell Lysate at 30 µg Lane 7: HL60 (Human) Cell Lysate at 30 µg Lane 8: HepG2 (Human) Cell Lysate at 30 µg</p> <p>Primary: Anti-C-Myc (TMAB-04484) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 49 kD Observed band size: 60 kD</p>
Application:	WB
Recommended	WB: 1:500-2000

### Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human C-Myc
Antigen Species:	Human
Gene ID:	4609
Uniprot ID:	P01106

### Research Background

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

## A DRUG SCREENING EXPERT

---

initiated protein is suppressed in Burkitt's lymphomas, suggesting its importance in the normal function of this gene. [provided by RefSeq, Jul 2008].

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481