



6352 CORTE DEL ABETO, STE B  
CARLSBAD, CA 92011 USA  
01.858.642.1988 • WWW.ATSBIO.COM

**Antibody to Myc**  
**RABBIT POLYCLONAL**

**Catalog Number:** AB-536  
**Quantity:** 500 microliters  
**Format:** Serum with 0.02% sodium azide  
**Host:** Rabbit  
**Clone:** PPMYCSHG  
**Immunogen:** Synthetic peptide (EQKLISEEDL) coupled to KLH

**Background:**

c-Myc 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 c-Myc have been associated with a variety of hematopoietic tumors, leukemias and lymphomas, including Burkitt's 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.

**Specificity and Preparation:**

Polyclonal antibodies are produced by immunizing rabbits with synthetic peptide (EQKLISEEDL) conjugated to KLH.

**Usage and Storage:**

Reported to be effective for immunoblotting (western blot, 1:500) and immunoprecipitation. Antibody is stable two years at -20°C or one month at 4°C. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate.

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