

## Datasheet

### MYC polyclonal antibody

**Catalog Number:** PAB0860

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

**Product Description:** Rabbit polyclonal antibody raised against a synthetic peptide of MYC.

**Immunogen:** A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human MYC.

**Host:** Rabbit

**Reactivity:** Human

**Applications:** 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

**Form:** Liquid

**Recommend Usage:** Western Blot (1:200)

The optimal working dilution should be determined by the end user.

**Storage Buffer:** In PBS (0.2% gelatin, 0.09% sodium azide)

**Storage Instruction:** Store at 4°C. Do not freeze.

**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]

#### References:

1. Competition between targeting signals in hybrid proteins provides information on their relative in vivo affinities for subcellular compartments. Schmauch C, Maniak M. Eur J Cell Biol. 2008 Feb;87(2):57-68. Epub 2007 Dec 3.
2. TIF1 activates the intra-S-phase checkpoint response in the diploid micronucleus and amitotic polyploid macronucleus of Tetrahymena. Yakisich JS, Sandoval PY, Morrison TL, Kapler GM. Mol Biol Cell. 2006 Dec;17(12):5185-97. Epub 2006 Sep 27.