

## Anti-c-Myc Polyclonal Antibody

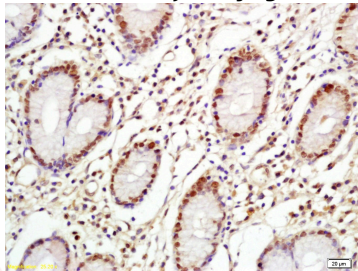
### Product Details

Ig Type:	IgG
Reactivity:	Human (predicted:Dog,Pig,Cow,Rabbit,Sheep)
Molecular Weight:	Theoretical: 49 kDa.
Purification:	Protein A purified

### Applications

#### Verified Activity:

Tissue/cell: human gastric carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-C-Myc Polyclonal Antibody, Unconjugated (TMAB-00451) 1:200, overnight at 4° C, followed by conjugation to the secondary antibody and DAb staining



Application:	IF,IHC-Fr,IHC-P
Recommended	IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

### Properties

Stability & Storage:	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
Synonyms:	bHLHe39
Biology Area:	Cell differentiation,Transcription factors,Oncoproteins,HLH / Leucine Zipper,Transcription Factors,c-myc,Nuclear

### 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

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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, Jul 2008].

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