

## c-Myc(Phospho Thr58) Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP06916
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Myc around the phosphorylation site of Thr58. AA range:25-74
<b>Mol wt</b>	48804
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, IF, IP, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Myc proto-oncogene protein
<b>Synonyms</b>	Myc proto-oncogene protein; MYC; BHLHE39; Myc proto-oncogene protein; Class E basic helix-loop-helix protein 39; bHLHe39; Proto-oncogene c-Myc; Transcription factor p64

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### 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 initiated protein is suppressed in Burkitt's lymphomas, suggesting its importance in the normal function of this gene.

### Recommended Dilution

WB: 1: 500 - 1: 2000

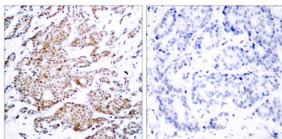
IP: 2 - 5 ug: mg

IHC-p: 1: 100 - 1: 300

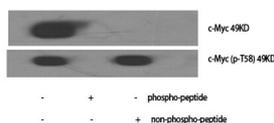
ELISA: 1: 10000

Not yet tested in other applications.

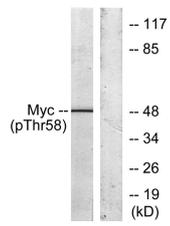
### Images



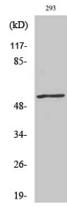
Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using Myc (Phospho-Thr58) Antibody. The picture on the right is blocked with the phospho peptide.



Western Blot analysis of various cells using Phospho-c-Myc (T58) Polyclonal Antibody diluted at 1:500



Western Blot analysis of 293 cells using Phospho-c-Myc (T58) Polyclonal Antibody diluted at 1:500



Western blot analysis of lysates from ovary cancer, using Myc (Phospho-Thr58) Antibody. The lane on the right is blocked with the phospho peptide.

### Storage

-20°C for 1 year

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