

Phospho-c-Myc (Thr58) Antibody
Catalog # ABV11997**Specification**

Phospho-c-Myc (Thr58) Antibody - Product Information

Application	WB, IHC, E, IP
Primary Accession	P01106
Reactivity	Human, Mouse, Rat
Host	Rabbit
Isotype	Rabbit IgG
Calculated MW	50565

Phospho-c-Myc (Thr58) Antibody - Additional Information**Gene ID** 4609

Positive Control	WB: 3T3 and 293 cell lysate
Application & Usage	WB 1:500-1:2000; IHC 1:100-1:300; IP 1:200-1:500; E 1:10000

Other Names

Myc proto-oncogene protein, Class E basic helix-loop-helix protein 39, bHLHe39, Proto-oncogene c-Myc, Transcription factor p64, MYC, BHLHE39

Target/Specificity

MYC

Antibody Form

Liquid

Appearance

Colorless liquid

Handling

The antibody solution should be gently mixed before use

Reconstitution & Storage

-20°C

Background Descriptions**Precautions**

Phospho-c-Myc (Thr58) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Phospho-c-Myc (Thr58) Antibody - Protein Information

Name MYC

Synonyms BHLHE39

Function

Transcription factor that binds DNA in a non-specific manner, yet also specifically recognizes the core sequence 5'-CAC[GA]TG-3' (PubMed: [24940000](http://www.uniprot.org/citations/24940000), PubMed: [25956029](http://www.uniprot.org/citations/25956029)). Activates the transcription of growth-related genes (PubMed: [24940000](http://www.uniprot.org/citations/24940000), PubMed: [25956029](http://www.uniprot.org/citations/25956029)). Binds to the VEGFA promoter, promoting VEGFA production and subsequent sprouting angiogenesis (PubMed: [24940000](http://www.uniprot.org/citations/24940000), PubMed: [25956029](http://www.uniprot.org/citations/25956029)). Regulator of somatic reprogramming, controls self-renewal of embryonic stem cells (By similarity). Functions with TAF6L to activate target gene expression through RNA polymerase II pause release (By similarity). Positively regulates transcription of HNRNPA1, HNRNPA2 and PTBP1 which in turn regulate splicing of pyruvate kinase PKM by binding repressively to sequences flanking PKM exon 9, inhibiting exon 9 inclusion and resulting in exon 10 inclusion and production of the PKM M2 isoform (PubMed: [20010808](http://www.uniprot.org/citations/20010808)).

Cellular Location

Nucleus, nucleoplasm. Nucleus, nucleolus. Nucleus. Cytoplasm Note=Localization to the nucleolus is dependent on HEATR1

Phospho-c-Myc (Thr58) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Phospho-c-Myc (Thr58) Antibody - Images

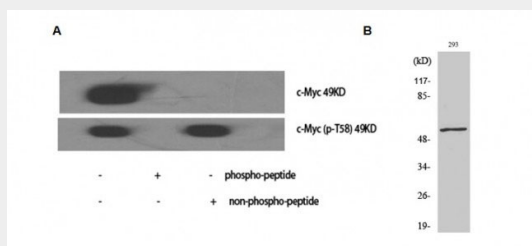


Fig. A. WB analysis of NIH/3T3 cells using Phospho-c-Myc (T58) Polyclonal Antibody Fig. B. WB (WB) analysis of 293 cells using Phospho-c-Myc (T58) Polyclonal Antibody