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Phospho-c-Myc (T58) Antibody
Rabbit mAb
Catalog # AP90633

Specification

Phospho-c-Myc (T58) Antibody - Product Information

Application	**WB, FC, ICC**
Primary Accession	P01106
Clonality	**Monoclonal**
Other Names	
MRTL; MYC; Myc proto-oncogene protein; c-myc;	
Isotype	**Rabbit IgG**
Host	**Rabbit**
Calculated MW	**48804 Da**

Phospho-c-Myc (T58) Antibody - Additional Information

Purification	**Affinity-chromatography**
Immunogen	**A synthesized peptide derived from human Phospho-c-Myc (T58)**
Description	**Myc a proto-oncogenic transcription factor that plays a role in cell proliferation, apoptosis and in the development of human tumors. Seems to activate the transcription of growth-related genes.**
Storage Condition and Buffer	**Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.**

Phospho-c-Myc (T58) 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, PubMed:25956029). Activates the transcription of growth-related genes (PubMed:24940000, PubMed:25956029). Binds to the VEGFA promoter, promoting VEGFA production and subsequent sprouting angiogenesis (PubMed:24940000, PubMed:25956029). Regulator of somatic reprogramming, controls self-renewal of embryonic stem cells (By similarity).

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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).

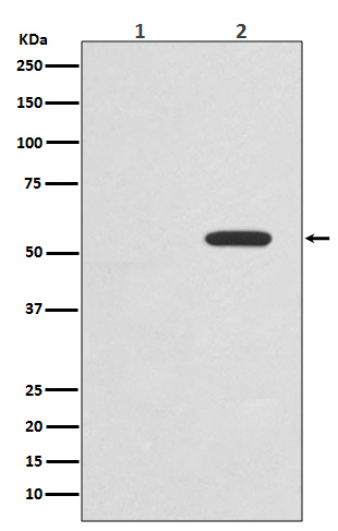
Cellular Location
Nucleus, nucleoplasm. Nucleus, nucleolus. Nucleus. Cytoplasm Note=Localization to the nucleolus is dependent on HEATR1

Phospho-c-Myc (T58) 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 Cytomety
- Cell Culture

Phospho-c-Myc (T58) Antibody - Images



Western blot analysis of Phospho-c-Myc (T58) expression in (1) HeLa cell lysate; (2) HeLa cell lysate treated with Calyculin A and Okadaic Acid.