

**DATASHEET**

**c-Myc (Phospho-T58+S62) Rabbit Monoclonal Antibody(C1489)**

CAT. NO. AMA01101

**KEY FEATURES**

Target	c-Myc (Phospho-T58+S62)	Source / Host	Rabbit
Reactivity	Human, Mouse	Clonality	Monoclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in PBS, pH 7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.	Storage	at-20°C

**BACKGROUND**

Transcription factor that binds DNA in a non-specific manner, yet also specifically recognizes the core sequence 5'-CAC[GA]TG-3' . Activates the transcription of growth-related genes . Binds to the VEGFA promoter, promoting VEGFA production and subsequent sprouting angiogenesis . Regulator of somatic reprogramming, controls self-renewal of embryonic stem cells . Functions with TAF6L to activate target gene expression through RNA polymerase II pause release . 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 .

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
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\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

Description	Recombinant rabbit monoclonal antibody to c-Myc (Phospho-T58+S62)
Specificity	Recognizes endogenous levels of c-Myc protein only when phosphorylated at T58 and S62
Antibody Type	Primary antibody, Recombinant
Immunogen	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding T58 and S62 of human c-Myc protein. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 48 kD; Observed: 57 kD
Form/Buffer	Liquid in PBS, pH 7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.
Alternative Names	BHLHE39; Myc proto-oncogene protein; Class E basic helix-loop-helix protein 39; bHLHe39; Proto-oncogene c-Myc; Transcription factor p64
Gene Symbol	MYC
Entrez Gene	4609(Human); 17869(Mouse)
SwissProt	P01106(Human); P01108(Mouse)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

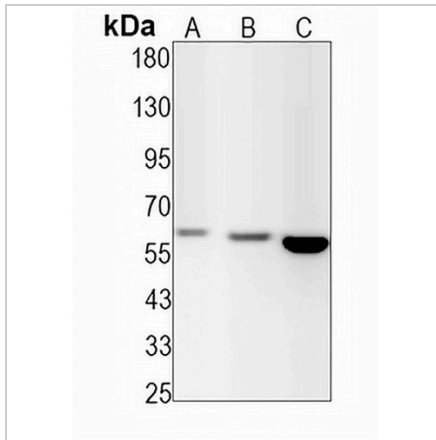
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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Western blot analysis of c-Myc (Phospho-T58+S62) expression in THP1 (A), HeLa (B), mouse lung (C) whole cell lysates. (Predicted band size: 48 kD; Observed band size: 57 kD)

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.