

Datasheet: AHP2582

Description:	RABBIT ANTI C-MYC (pSer373)
Specificity:	C-MYC (pSer373)
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/500 - 1/1000

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
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Product Form	Purified IgG - liquid
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Antiserum Preparation	Antiserum to c-Myc (pSer373) was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
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Buffer Solution	Phosphate buffered saline
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Preservative	0.02% Sodium Azide
Stabilisers	50% Glycerol

Immunogen	Phospho specific-peptide corresponding to residues surrounding serine 373 of human c-Myc
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External Database Links

UniProt:
[P01106](#) [Related reagents](#)

Entrez Gene:

Synonyms	BHLHE39
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Specificity	<p>Rabbit anti c-Myc (pSer373) antibody recognizes proto-oncogene c-Myc, also known as Class E basic helix-loop-helix protein 39, transcription factor p64 and avian myelocytomatosis viral oncogene homolog, when phosphorylated at serine 373. c-Myc is a transcription factor and a member of the Myc family of basic helix-loop-helix-leucine zipper (bHLH-Zip) transcription factors. c-Myc is involved in regulation of the cell cycle, cell differentiation and apoptosis.</p> <p>Dimerization of c-Myc with bHLH-Zip protein Max is necessary for transcriptional activity (Nilsson and Cleveland 2003). c-Myc is phosphorylated at serine 373 by PAK2, this inhibits the ability of c-Myc to dimerize with Max, negatively regulating the activity of c-Myc (Huang <i>et al.</i> 2004). PKC-zeta is also reported to phosphorylate c-Myc at serine 373 (Kim <i>et al.</i> 2013).</p>
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Further Reading	<ol style="list-style-type: none">1. Nilsson, J.A. & Cleveland, J.L. (2003) Myc pathways provoking cell suicide and cancer. Oncogene 22 (56): 9007-21.2. Huang, Z. <i>et al.</i> (2004) Negative control of the Myc protein by the stress-responsive kinase Pak2. Mol Cell Biol. 24 (4): 1582-94.3. Kim, J.Y. <i>et al.</i> (2013) c-Myc phosphorylation by PKCζ represses prostate tumorigenesis. Proc Natl Acad Sci U S A. 110 (16): 6418-23.
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Storage	<p>Store at -20°C</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
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Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10049 available at: 10049: https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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To
find a

batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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