

Datasheet: AHP2582

BATCH NUMBER 141544

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
Product Form	Purified IgG - liquid
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.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.02% Sodium Azide 50% Glycerol
Immunogen	Phospho specific-peptide corresponding to residues surrounding serine 373 of human c-Myc
External Database Links	UniProt: P01106 Related reagents

Entrez Gene:[4609](#) MYC [Related reagents](#)

Synonyms	BHLHE39
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>
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.
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>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #10049 available at: https://www.bio-rad-antibodies.com/SDS/AHP2582</p> <p>10049</p>
Regulatory	For research purposes only

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 \(STAR209P\)](#)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

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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