

Datasheet: AHP2575

Description:	RABBIT ANTI C-JUN (pSer243)
Specificity:	C-JUN (pSer243)
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 - 1/2000

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
Species Cross Reactivity	<p>Reacts with: Mouse</p> <p>N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
Product Form	Purified IgG - liquid
Antiserum Preparation	Antiserum to c-Jun (pSer243) 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	<p>0.02% Sodium Azide</p> <p>50% Glycerol</p>
Immunogen	Phospho specific-peptide corresponding to residues surrounding serine 243 of human c-Jun

External Database Links	UniProt: P05412 Related reagents Entrez Gene: 3725 JUN Related reagents
Specificity	<p>Rabbit anti c-Jun (pSer243) antibody recognizes proto-oncogene c-Jun, also known as V-jun avian sarcoma virus 17 oncogene homolog and p39, when phosphorylated at threonine 243.</p> <p>c-Jun is a member of the Jun family of transcription factors and is a subunit of the AP-1 transcription factor. c-Jun dimerizes with c-Fos, JDP and ATF family members to form the AP-1 transcription factor. AP-1 is activated by a variety of stimuli including cytokines, stress and growth factors and plays a critical role in cellular processes ranging from proliferation to apoptosis.</p> <p>The kinase that phosphorylates c-Jun at serine <i>in vivo</i> is unidentified. PP2B dephosphorylates c-Jun at serine 243 (Chen et al. 2007). c-Jun has been implicated in early tumor development, invasion and metastasis (Vleugel et al. 2006).</p>
Further Reading	<ol style="list-style-type: none"> 1. Chen, B.K. <i>et al.</i> (2007) PP2B-mediated dephosphorylation of c-Jun C terminus regulates phorbol ester-induced c-Jun/Sp1 interaction in A431 cells. Mol Biol Cell. 18 (3): 1118-27. 2. Vleugel, M.M. <i>et al.</i> (2006) c-Jun activation is associated with proliferation and angiogenesis in invasive breast cancer. Hum Pathol. 37 (6): 668-74.
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	<p>12 months from date of despatch</p>
Health And Safety Information	<p>Material Safety Datasheet documentation #10049 available at: 10049: https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf</p>
Regulatory	<p>For research purposes only</p>

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
 Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
 Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
 Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Recommended Useful Reagents

TidyBlot WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)

North & South America	Tel: +1 800 265 7376 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
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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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