

Datasheet: AHP2576

Description:	RABBIT ANTI C-JUN (pSer63)
Specificity:	C-JUN (pSer63)
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
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Product Form	Purified IgG - liquid
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Antiserum Preparation Antiserum to c-Jun (pSer63) 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
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Preservative	0.05% Proclin™300
Stabilisers	50% Glycerol

Immunogen	Phospho specific-peptide corresponding to residues surrounding serine 63 of human c-Jun
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External Database Links

UniProt:
[P05412](#) [Related reagents](#)

Entrez Gene:

Specificity **Rabbit anti c-Jun (pSer63) antibody** recognizes proto-oncogene c-Jun, also known as V-jun avian sarcoma virus 17 oncogene homolog and p39, when phosphorylated at serine 63.

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.

c-Jun is phosphorylated at serine 63 and serine 73 by MAPK8 (SAPK1/JNK1) and PLK3, resulting in c-Jun mediated transcription ([Wang et al. 2007](#), [Vleugel et al. 2006](#)). c-Jun has been implicated in early tumor development, invasion and metastasis while c-Jun phosphorylated at serine 63 has been proposed to play a role in intestinal tumor progression ([Madeo et al. 2010](#)).

Further Reading

1. Wang, L. *et al.* (2007) Stress-induced c-Jun activation mediated by Polo-like kinase 3 in corneal epithelial cells. [J Biol Chem. 282 \(44\): 32121-7.](#)
2. Vleugel, M.M. *et al.* (2006) c-Jun activation is associated with proliferation and angiogenesis in invasive breast cancer. [Hum Pathol. 37 \(6\): 668-74.](#)
3. Madeo, A. *et al.* (2010) c-Jun activation is required for 4-hydroxytamoxifen-induced cell death in breast cancer cells. [Oncogene. 29 \(7\): 978-91.](#)

Storage Store at -20°C
Storage in frost-free freezers is not recommended.
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.

Guarantee 12 months from date of despatch

Acknowledgements ProClin™ is a trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow.

Health And Safety Information Material Safety Datasheet documentation #20376 available at: <https://www.bio-rad-antibodies.com/SDS/AHP2576>
20376

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

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

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

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

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
'M417870:230418'

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