

## Datasheet: AHP2576

<b>Description:</b>	RABBIT ANTI C-JUN (pSer63)
<b>Specificity:</b>	C-JUN (pSer63)
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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

**Product Form** Purified IgG - liquid

**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

**Preservative** 0.02% Sodium Azide  
**Stabilisers** 50% Glycerol

**Immunogen** Phospho specific-peptide corresponding to residues surrounding serine 63 of human c-Jun

### External Database Links

**UniProt:**  
[P05412](http://www.uniprot.org/entry/P05412) [Related reagents](#)

**Entrez Gene:**  
[3725](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=3725) JUN [Related reagents](#)

### 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](#)).

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**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.](#)

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**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.

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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 \(STAR209P\)](#)

**North & South** Tel: +1 800 265 7376

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Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

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