

Datasheet: AHP2577

Description:	RABBIT ANTI C-JUN (pSer73)
Specificity:	C-JUN (pSer73)
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-Jun (pSer73) 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 73 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 (pSer73) antibody recognizes proto-oncogene c-Jun, also known as V-jun avian sarcoma virus 17 oncogene homolog and p39, when phosphorylated at serine 73.

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 73 has been proposed to play a role in tumor angiogenesis ([Vleugel et al. 2006](#)).

Western Blotting	Due to the presence of phosphoproteins in milk, the use of milk based blocking reagents is not recommended. 1% BSA in PBS or TBS Tween should be used instead.
Further Reading	1. Wang, L. <i>et al.</i> (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. <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	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.
Shelf Life	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10049 available at: 10049: https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf
Regulatory	For research purposes only

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](#)
Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)
Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),
[DyLight®680](#), [DyLight®800](#)

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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