

Datasheet: AHP2297

Description:	RABBIT ANTI C-JUN (pSer73)
Specificity:	C-JUN (pSer73)
Other names:	TRANSCRIPTION FACTOR AP-1
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µg

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
Immunohistology - Paraffin	■			10 - 20 ug/ml
Western Blotting (1)	■			0.5 - 4.0 ug/ml

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.

(1)For the detection of phosphoproteins, serine phosphatase inhibitors such as 10mM Sodium Fluoride should be added to the sample buffer. Milk or other casein-based blocking solutions are not recommended as casein is a phosphoprotein and its use can result in high background.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse Based on sequence similarity, is expected to react with:Rat N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	50% Glycerol 1% Bovine serum Albumin 0.02% Thiomersal
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Synthetic phospho-peptide corresponding to residues surrounding Ser73 of human C-Jun

**External Database
Links**

UniProt:

[P05412](#)

[Related reagents](#)

Entrez Gene:

[3725](#)

JUN

[Related reagents](#)

Specificity

Rabbit anti c-Jun (pSer73) antibody recognizes proto-oncogene c-Jun, also known as transcription factor AP-1, activator protein 1 (AP1), V-jun avian sarcoma virus 17 oncogene homolog and p39, when phosphorylated at serine 73. The c-Jun transcription factor is encoded by the c-jun oncogene and 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 becomes phosphorylated on Serine 63 and Serine 73 by MAPK8 (SAPK/JNK) and PLK3, which regulate c-Jun transcription. c-Jun has been implicated in early tumor development, invasion and metastasis and due to these findings has been identified as a target for cancer therapies.

Western Blotting

Rabbit anti c-Jun (pSer 73) recognizes a band of approximately 48 kDa in lysate from NIH3T3 cells treated with the MAP kinase inhibitor anisomycin

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 #10585 available at:
10585: <https://www.bio-rad-antibodies.com/uploads/MSDS/10585.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](#)

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