

## Datasheet: AHP900

<b>Description:</b>	RABBIT ANTI ELK-1 (pSer383)
<b>Specificity:</b>	ELK-1 (pSer383)
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 ml

## 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
Flow Cytometry			■	
Immunohistology - Frozen			■	
Immunohistology - Paraffin			■	
ELISA			■	
Immunoprecipitation			■	
Western Blotting (1)	■			1/1000

Where this antibody 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 antibody 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.**

<b>Target Species</b>	Rat
<b>Species Cross Reactivity</b>	Based on sequence similarity, is expected to react with: Human, Monkey, Mouse, Dog, Zebrafish <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antisera to phosphorylated ELK-1 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.
<b>Buffer Solution</b>	10mM HEPES pH7.5 150mM NaCl
<b>Preservative Stabilisers</b>	0.09% Sodium Azide 0.01% Bovine Serum Albumin 50% Glycerol

**Immunogen** Synthetic phosphopeptide corresponding to an amino acid sequence within ELK-1 which includes phosphorylated Ser383.

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**External Database**

**Links**

**UniProt:**

[P19419](#) [Related reagents](#)

**Entrez Gene:**

[2002](#) ELK1 [Related reagents](#)

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**Specificity**

**Rabbit anti Rat ELK-1 (pSer383) antibody** recognizes ELK-1, also known as ETS domain-containing protein Elk-1, when phosphorylated at serine 383.

ELK-1 is a member of the ternary complex factor (TCF) family of transcription factors, which is thought to play a role in mediating gene expression in response to growth factors.

ELK-1 can be phosphorylated at serine 383 and 389 in its C-terminal region in response to the activation of extracellular signal-regulated kinase (ERK) proteins. Phosphorylation of ELK-1 results in an increase in its transcriptional activity, leading to the transcription of growth-related proteins, such as c-Fos.

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**Western Blotting**

AHP900 detects a band of approximately 46kDa in Western blots.

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**References**

1. Yang, S. *et al.* (1998) The Elk-1 ETS-domain transcription factor contains a mitogen-activated protein kinase targeting motif. [Mol. Cell. Biol. 18: 710 - 720.](#)

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**Storage**

Store at +4°C or at -20°C if preferred.

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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**Shelf Life**

12 months from date of despatch.

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**Health And Safety Information**

Material Safety Datasheet documentation available at:

Material Safety Datasheet Documentation #10088 available at:

<https://www.bio-rad-antibodies.com/uploads/MSDS/10088.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](#)

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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