

## Datasheet: AHP902

<b>Description:</b>	RABBIT ANTI GAP43 (pSer41)
<b>Specificity:</b>	GAP43 (pSer41)
<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	■			1/1000

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.

<b>Target Species</b>	Rat
<b>Species Cross Reactivity</b>	Based on sequence similarity, is expected to react with: Human, Bovine, Chicken, Dog, Monkey, Xenopus, Zebrafish, Mouse <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 GAP-43 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
<b>Preservative Stabilisers</b>	0.09% Sodium Azide 0.01% Bovine Serum Albumin 50% Glycerol
<b>Immunogen</b>	Synthetic phosphopeptide corresponding to an amino acid sequence within GAP-43 which includes phosphorylated Ser41.

**External Database  
Links**

**UniProt:**

[P17677](#)   [Related reagents](#)

**Entrez Gene:**

[2596](#)   GAP43   [Related reagents](#)

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**RRID**   AB\_566974

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**Specificity**   **Rabbit anti Rat GAP43 (pSer41) antibody** recognizes growth-associated protein 43 (GAP43), also known as neuromodulin, axonal membrane protein GAP-43, neural phosphoprotein B-50 and pp46, when phosphorylated at serine 41.

GAP-43 is expressed in neuronal growth cones during development and during axonal regeneration and is phosphorylated at Ser41 by protein kinase C.

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**Western Blotting**   AHP902 detects a band of approximately 50kDa in rat cortex lysates.

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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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**Guarantee**   12 months from date of despatch

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**Health And Safety  
Information**   Material Safety Datasheet documentation #10088 available at:  
10088: <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](#)  
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](#)

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

**America**   Fax: +1 919 878 3751

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

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