

## 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.

### Target Species

Rat

### Species Cross Reactivity

Based on sequence similarity, is expected to react with: Human, Bovine, Chicken, Dog, Monkey, Xenopus, Zebrafish, Mouse

**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

### Product Form

Purified IgG - liquid

### Antiserum Preparation

Antisera to phosphorylated GAP-43 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.

### Buffer Solution

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.
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P17677</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">2596</a> GAP43 <a href="#">Related reagents</a>
<b>RRID</b>	AB_566974
<b>Specificity</b>	<p><b>Rabbit anti Rat GAP43 (pSer41) antibody</b> 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.</p> <p>GAP-43 is expressed in neuronal growth cones during development and during axonal regeneration and is phosphorylated at Ser41 by protein kinase C.</p>
<b>Western Blotting</b>	AHP902 detects a band of approximately 50kDa in rat cortex lysates.
<b>Storage</b>	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10088 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP902">https://www.bio-rad-antibodies.com/SDS/AHP902</a> 10088
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)	<a href="#">FITC</a>
Sheep Anti Rabbit IgG (STAR35...)	<a href="#">RPE</a>
Goat Anti Rabbit IgG (Fc) (STAR121...)	<a href="#">Biotin</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Sheep Anti Rabbit IgG (STAR36...)	<a href="#">DyLight®488</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a>

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)  
'M383372:210513'

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