

## 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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			■	
Immunohistology - Frozen			■	
Immunohistology - Paraffin			■	
Immunohistology - Resin			■	
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) Special conditions apply. See \*

### 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.

### 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

### Preservative Stabilisers

0.09% Sodium Azide  
0.01% Bovine Serum Albumin  
50% Glycerol

### Immunogen

Synthetic phosphopeptide corresponding to an amino acid sequence within GAP-43 which includes phosphorylated Ser41.

### External Database Links

#### UniProt:

[P17677](#) NEUM\_HUMAN [Related reagents](#)

#### Entrez Gene:

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

<b>Specificity</b>	AHP902 is specific for Growth Associated Peptide 43 (GAP-43), 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.
<b>Western Blotting</b>	AHP902 detects a band of approximately 50kDa in rat cortex lysates.  * 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>Storage</b>	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.
<b>Shelf Life</b>	12 months from date of despatch.
<b>Health And Safety Information</b>	Material Safety Datasheet Documentation #10088 available at: <a href="http://www.abdserotec.com/uploads/MSDS/10088.pdf">http://www.abdserotec.com/uploads/MSDS/10088.pdf</a>

## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR36...)	<a href="#">DyLight@488</a> , <a href="#">DyLight@549</a> , <a href="#">DyLight@649</a> , <a href="#">DyLight@800</a>
Goat Anti Rabbit IgG (H/L) (STAR124...)	<a href="#">HRP</a>
Sheep Anti Rabbit IgG (STAR54...)	<a href="#">HRP</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 (2AB02...)	<a href="#">Biotin</a>
Sheep Anti Rabbit IgG (STAR34...)	<a href="#">FITC</a>

**For research purposes only, unless otherwise specified in writing by AbD Serotec.**

'M179103:110225'



**AbD Serotec offices contact details click [here](#)**

**Address:**  
MorphoSys UK Ltd, Endeavour House, Langford  
Business Park, Langford Lane, Kidlington,  
Oxford, OX5 1GE, UK

**Tel:** +44 (0)1865 852700  
**Email:** [tech.uk@abdserotec.com](mailto:tech.uk@abdserotec.com)  
**Web:** [www.abdserotec.com](http://www.abdserotec.com)  
**Printed on 08 Nov 2011**