

## Datasheet: AHP2703

<b>Description:</b>	RABBIT ANTI PAK2 (pSer20)
<b>Specificity:</b>	PAK2 (pSer20)
<b>Other names:</b>	PAK65
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	50 µl

## 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
Western Blotting	▪			1/500 - 1/2000

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.

### Target Species

Human

### Species Cross Reactivity

Reacts with: 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

Antiserum to PAK2 (pSer20) was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

### Buffer Solution

Phosphate buffered saline

### Preservative Stabilisers

0.02% Sodium Azide  
50% Glycerol

**Immunogen** Phospho specific-peptide corresponding to residues surrounding serine 20 of human PAK2

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**External Database Links**

**UniProt:**

[Q13177](#)    [Related reagents](#)

**Entrez Gene:**

[5062](#)    PAK2    [Related reagents](#)

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**Specificity**

**Rabbit anti PAK2 (pSer20) antibody** recognizes serine/threonine-protein kinase PAK2, also known as p21-activated kinase2 or PAK65, when phosphorylated at serine 20. PAK2 belongs to the p21-activated protein kinase (PAK) family, which are targets of small GTPases CDC42 and RAC1, and regulate apoptosis and cell motility ([Knaus, U.G. & Bokoch, G.M.1998](#)). In addition to autophosphorylation of PAK2 at serine 20 ([Jung, J.H. & Traugh, J.A. 2005](#)), phosphorylation of this particular residue can also induced by PKG ([Yurdagul A, J.r. et al. 2013](#)). Increased levels of PAK2 phosphorylated on serine 20 have been reported in ovarian cancer and implicated to play role in ovarian cancerogenesis ([Siu, M.K. et al. 2010](#)).

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**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.

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**Guarantee**

12 months from date of despatch

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**Health And Safety Information**

Material Safety Datasheet documentation #10049 available at:  
10049: <https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf>

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Useful Reagents

[RABBIT ANTI PAK2 \(AHP2505\)](#)

[RABBIT ANTI PAK2 \(VPA00083\)](#)

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

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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://www.bio-rad-antibodies.com/datasheets)

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