

Datasheet: AHP2703

Description:	RABBIT ANTI PAK2 (pSer20)
Specificity:	PAK2 (pSer20)
Other names:	PAK65
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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	<p>Reacts with: Mouse</p> <p>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.</p>
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	<p>0.02% Sodium Azide</p> <p>50% Glycerol</p>

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

External Database Links

UniProt:

[Q13177](#) [Related reagents](#)

Entrez Gene:

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

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](#)).

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.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10049 available at:
<https://www.bio-rad-antibodies.com/SDS/AHP2703>
10049

Regulatory

For research purposes only

Related Products

Recommended Useful Reagents

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

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

North & South America Tel: +1 800 265 7376
Fax: +1 919 878 3751
Email: 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

Europe Tel: +49 (0) 89 8090 95 21
Fax: +49 (0) 89 8090 95 50
Email: antibody_sales_de@bio-rad.com

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)
'M416505:230302'

Printed on 12 Aug 2023