

## Datasheet: AHP2616

<b>Description:</b>	RABBIT ANTI FOCAL ADHESION KINASE (pTyr861)
<b>Specificity:</b>	FOCAL ADHESION KINASE (pTyr861)
<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.

<b>Target Species</b>	Human
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<b>Product Form</b>	Purified IgG - liquid
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**Antiserum Preparation** Antiserum to focal adhesion kinase (pTyr861) was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

<b>Buffer Solution</b>	Phosphate buffered saline
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<b>Preservative</b>	0.02% Sodium Azide
<b>Stabilisers</b>	50% Glycerol

<b>Immunogen</b>	Phospho specific-peptide corresponding to residues surrounding tyrosine 861 of human focal adhesion kinase
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### External Database Links

**UniProt:**

[Q05397](https://www.uniprot.org/entry/Q05397)

[Related reagents](#)

**Entrez Gene:**[5747](#) PTK2 [Related reagents](#)**Synonyms**

FAK, FAK1

**Specificity**

**Rabbit anti focal adhesion kinase (pTyr861) antibody** recognizes focal adhesion kinase, also known as FAK, when phosphorylated at tyrosine 861. Focal adhesion kinase is a highly conserved tyrosine kinase with roles in several biological processes including adhesion, migration and cell survival. FAK consists of four domains, an N-terminal FERM domain; a catalytic tyrosine kinase domain; a C-terminal focal-adhesion targeting (FAT) domain and an unstructured proline rich region between the catalytic and FAT domains. Phosphorylation of FAK at tyrosine 861 regulates interactions with the scaffold protein p130cas and contributes to oncogenic transformation of cells *in vitro* ([Lim et al. 2004](#)).

**Further Reading**

1. Lim, Y. *et al.* (2004) Phosphorylation of focal adhesion kinase at tyrosine 861 is crucial for Ras transformation of fibroblasts. [J Biol Chem. 279 \(28\): 29060-5.](#)

**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:  
10049: <https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf>

**Regulatory**

For research purposes only

## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)Sheep Anti Rabbit IgG (STAR35...) [RPE](#)Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

### Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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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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