

Datasheet: AHP2616

Description:	RABBIT ANTI FOCAL ADHESION KINASE (pTyr861)
Specificity:	FOCAL ADHESION KINASE (pTyr861)
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
Product Form	Purified IgG - liquid

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.

Buffer Solution	Phosphate buffered saline
Preservative	0.02% Sodium Azide
Stabilisers	50% Glycerol

Immunogen	Phospho specific-peptide corresponding to residues surrounding tyrosine 861 of human focal adhesion kinase
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External Database Links

UniProt:
[Q05397](http://www.uniprot.org/entry/Q05397) [Related reagents](#)

Entrez Gene:
[5747](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=5747) PTK2 [Related reagents](#)

Synonyms	FAK, FAK1
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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](#)).

Western Blotting	Due to the presence of phosphoproteins in milk, the use of milk based blocking reagents is not recommended. 1% BSA in PBS or TBS Tween should be used instead.
Further Reading	1. Lim, Y. <i>et al.</i> (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.
Shelf Life	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
Sheep Anti Rabbit IgG (2AB02...)	Biotin
Sheep Anti Rabbit IgG (STAR36...)	DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800

Recommended Useful Reagents

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

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
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