Datasheet: AHP2614

Description:	RABBIT ANTI FOCAL ADHESION KINASE (pTyr397)
Specificity:	FOCAL ADHESION KINASE (pTyr397)
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

Based on sequence similarity, is expected to react with:Rat
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 focal adhesion kinase (pTyr397) 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 tyrosine 397 of human

	focal adhesion kinase
External Database Links	**UniProt:** Q05397 Related reagents **Entrez Gene:** 5747 PTK2 Related reagents
Synonyms	FAK, FAK1
Specificity	**Rabbit anti focal adhesion kinase (pTyr397) antibody** recognizes focal adhesion kinase, also known as FAK, when phosphorylated at tyrosine 397. 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. Autophosphorylation of FAK at tyrosine 397 occurs in response to integrin activation. Autophosphorylation of FAK at tyrosine 397 causes activation of PLC-gamma1 at sites of focal adhesion (Zhang et al., 1999).
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

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