

## Datasheet: HCA065

<b>Description:</b>	HUMAN ANTI FOCAL ADHESION KINASE
<b>Specificity:</b>	FOCAL ADHESION KINASE
<b>Other names:</b>	FAK1, PROTEIN TYROSINE KINASE 2, PTK2
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	AbD05479
<b>Isotype:</b>	HuCAL Fab monovalent
<b>Quantity:</b>	0.1 mg

## 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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting	▪			1/100 - 1/1000

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
<b>Product Form</b>	A monovalent human recombinant Fab selected from the HuCAL GOLD phage display library, expressed in <i>E. coli</i> . The antibody is tagged with a myc-tag (EQKLISEEDL) and a his-tag (HHHHHH) at the C-terminus of the antibody heavy chain. This antibody is supplied liquid.
<b>Source</b>	E.coli
<b>Buffer Solution</b>	Phosphate buffered saline.
<b>Preservative</b>	0.01% Thiomersal.

## Stabilisers

### Approx. Protein Concentrations

IgG concentration 0.5 mg/ml.

### Immunogen

Full length recombinant human FAK expressed in Sf9 cells.

### External Database Links

#### UniProt:

[Q05397](#)

[Related reagents](#)

#### Entrez Gene:

[5747](#)

PTK2

[Related reagents](#)

### Synonyms

FAK, FAK1

### RRID

AB\_2173821

### Specificity

**Human anti focal adhesion kinase antibody, clone AbD05479** recognizes human focal adhesion kinase (FAK), a cytoplasmic protein tyrosine kinase of approximately 119 kDa that is activated by numerous stimuli and controls cell motility, proliferation and apoptosis. FAK is widely expressed in various tissues and cultured cells. It is located within focal adhesions that form between cells and plays a vital role in integrin signalling.

FAK plays a potential role in oncogenic transformation, and its expression is thought to be correlated to tumor invasiveness.

### Western Blotting

Human anti focal adhesion kinase antibody, clone AbD05479 detects a band of approximately 119 kDa in HCT-116 cell lysates.

### Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

### Guarantee

12 months from date of despatch.

### Acknowledgements

This product and/or its use is covered by claims of U.S. patents, and/or pending U.S. and non-U.S. patent applications owned by or under license to Bio-Rad Laboratories, Inc. See [bio-rad.com/en-us/trademarks](http://bio-rad.com/en-us/trademarks) for details.  
His-tag is a registered trademark of EMD Biosciences.

### Health And Safety Information

Material Safety Datasheet documentation #10094 available at:  
<https://www.bio-rad-antibodies.com/SDS/HCA065>  
10094

### Licensed Use

For *in vitro*. research purposes only, unless otherwise specified in writing by Bio-Rad.

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**Regulatory** For research purposes only.

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**Technical Advice** Recommended protocols and further information about HuCAL recombinant antibody technology can be found in the [HuCAL Antibodies Technical Manual](#).

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## Related Products

### Recommended Secondary Antibodies

Mouse Anti Synthetic Peptide HISTIDINE TAG (MCA5995...) [HRP](#)

Mouse Anti Synthetic Peptide HISTIDINE TAG (MCA1396...) [Alk. Phos.](#), [Biotin](#)

Mouse Anti Human C-MYC (MCA2200...) [Biotin](#)

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

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