

Datasheet: VMA00167

Description:	MOUSE ANTI FOCAL ADHESION KINASE
Specificity:	FOCAL ADHESION KINASE
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	OTI4A8
Isotype:	IgG1
Quantity:	100 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
Immunoprecipitation	▪			
Western Blotting	▪			1/1000

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species	Human
Species Cross Reactivity	<p>Reacts with: Mouse, Rat</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
Preparation	Mouse monoclonal antibody purified by affinity chromatography from ascites.
Buffer Solution	Phosphate buffered saline.
Preservative Stabilisers	<p>0.09% Sodium Azide (NaN₃)</p> <p>1% Bovine Serum Albumin</p>

50% Glycerol

Approx. Protein Concentrations	IgG concentration 0.5 mg/ml.
Immunogen	Full length recombinant protein of human focal adhesion kinase (NP_722560) produced in HEK293T cells
External Database Links	UniProt: Q05397 Related reagents Entrez Gene: 5747 PTK2 Related reagents
Synonyms	FAK, FAK1
Specificity	<p>Mouse anti Human focal adhesion kinase 1 antibody recognizes focal adhesion kinase 1, also known as FADK 1, FAK-related non-kinase polypeptide, PTK2 protein tyrosine kinase 2, focal adhesion kinase 1, focal adhesion kinase isoform FAK-Del33, focal adhesion kinase-related nonkinase, protein phosphatase 1 regulatory subunit 71 and protein phosphatase 1, regulatory subunit 71.</p> <p>Encoded by the PTK2 gene, focal adhesion kinase 1 is a cytoplasmic protein tyrosine kinase which is found concentrated in the focal adhesions that form between cells growing in the presence of extracellular matrix constituents. The encoded protein is a member of the FAK subfamily of protein tyrosine kinases but lacks significant sequence similarity to kinases from other subfamilies. Activation of focal adhesion kinase 1 may be an important early step in cell growth and intracellular signal transduction pathways triggered in response to certain neural peptides or to cell interactions with the extracellular matrix. Several transcript variants encoding different isoforms have been found for PTK2, but the full-length natures of only three of them have been determined (provided by RefSeq, Dec 2010).</p> <p>Mouse anti Human focal adhesion kinase 1 antibody detects a band of 125 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
Western Blotting	Anti focal adhesion kinase detects a band of approximately 125 kDa in A549 cell lysates.
Storage	This product is shipped at ambient temperature. Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Guarantee	12 months from date of despatch.
Acknowledgements	PrecisionAb is a trademark of Bio-Rad Laboratories.
Health And Safety Information	Material Safety Datasheet documentation #10048 available at: https://www.bio-rad-antibodies.com/SDS/VMA00167 Antibody (10048)

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

North & South Tel: +1 800 265 7376

America 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

'M441719:250523'

Printed on 23 May 2025