

Datasheet: VMA00167

Description:	MOUSE ANTI FOCAL ADHESION KINASE
Specificity:	FOCAL ADHESION KINASE
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Clone:	OT14A8
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
Western Blotting	■			1/1000

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. 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 dependant on sample type.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Preparation	Mouse monoclonal antibody purified by affinity chromatography from ascites.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin 50% Glycerol
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:

Synonyms	FAK, FAK1
Specificity	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. 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). 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.
Western Blotting	Anti focal adhesion kinase detects a band of approximately 125 kDa in A549 cell lysates.
Instructions For Use	Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Shelf Life	As supplied, 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: Antibody (10048): https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

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

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