

For Research Use Only

# FAK Recombinant monoclonal antibody

Catalog Number: 81334-5-RR



## Basic Information

Catalog Number:

81334-5-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3331

GenBank Accession Number:

BC028733

GeneID (NCBI):

5747

UNIPROT ID:

Q05397

Full Name:

PTK2 protein tyrosine kinase 2

Calculated MW:

1052 aa, 119 kDa

Observed MW:

110 kDa

Purification Method:

Protein A purification

CloneNo.:

242295E4

Recommended Dilutions:

WB: 1:2000-1:10000

IF/ICC: 1:500-1:2000

## Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB: A431 cells, HEK-293 cells, HeLa cells, MCF-7 cells, NIH/3T3 cells

IF/ICC: MCF-7 cells, A549 cells

## Background Information

FAK (Focal adhesion kinase 1) is also named as FAK1, FADK, pp125FAK, FAK and belongs to the protein kinase superfamily. It is a critical tyrosine kinase that modulates cell adhesion, migration, proliferation and survival in response to extracellular signals (PMID:19664602). It also acts as a pivotal signal 'integrator', controlling and coordinating cellular responses that include cell migration, survival, proliferation and, epithelial tissue repair after DNA damage (PMID:20966971).

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

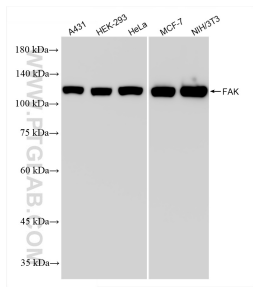
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

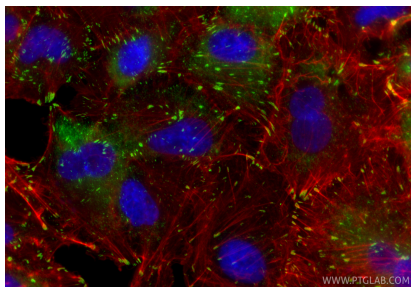
W: [ptgcn.com](http://ptgcn.com)

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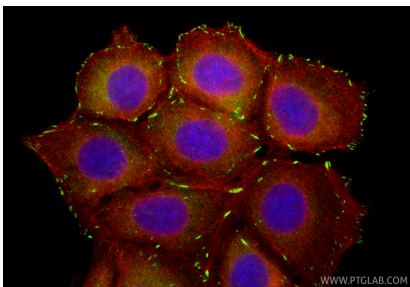
## Selected Validation Data



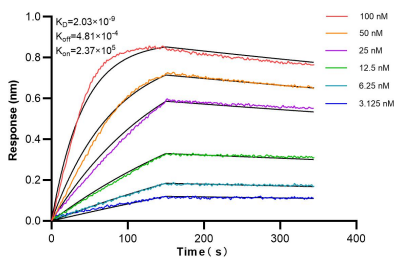
Various lysates were subjected to SDS PAGE followed by western blot with 81334-5-RR (FAK antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed A549 cells using FAK antibody (81334-5-RR, Clone: 242295E4 ) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using FAK antibody (81334-5-RR, Clone: 242295E4 ) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 81334-5-RR against Human FAK were performed. The affinity constant is 2.03 nM.