

For Research Use Only

# FAK Recombinant antibody

Catalog Number: 81334-5-RR



## Basic Information

<b>Catalog Number:</b> 81334-5-RR	<b>GenBank Accession Number:</b> BC028733	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5747	<b>CloneNo.:</b> 242295E4
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q05397	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IF/ICC 1:250-1:1000
<b>Isotype:</b> IgG	<b>Full Name:</b> PTK2 protein tyrosine kinase 2	
<b>Immunogen Catalog Number:</b> AG3331	<b>Calculated MW:</b> 1052 aa, 119 kDa	
	<b>Observed MW:</b> 110 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse	<b>WB :</b> A431 cells, HEK-293 cells, HeLa cells, MCF-7 cells, NIH/3T3 cells
	<b>IF/ICC :</b> A549 cells, MCF-7 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

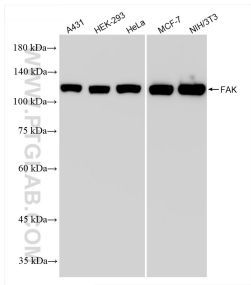
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

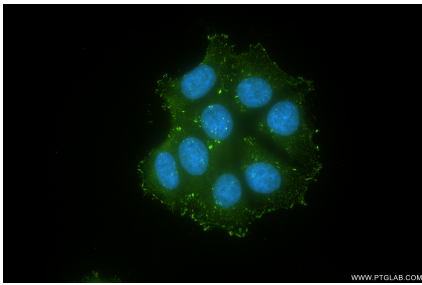
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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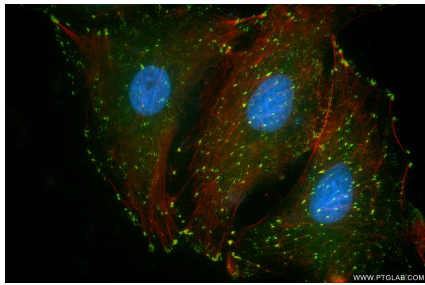
## Selected Validation Data



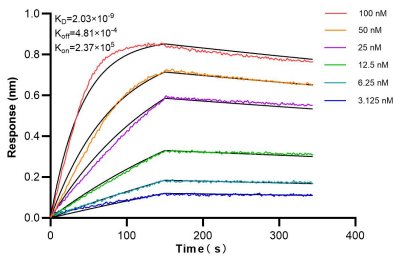
Various lysates were subjected to SDS PAGE followed by western blot with 81334-5-RR (FAK antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using FAK antibody (81334-5-RR, Clone: 242295E4 ) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Immunofluorescent analysis of (4% PFA) fixed A549 cells using FAK antibody (81334-5-RR, Clone: 242295E4 ) at dilution of 1:500 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.