

For Research Use Only

# FAK Recombinant antibody, PBS Only

Catalog Number: 81334-5-PBS



## Basic Information

**Catalog Number:**

81334-5-PBS

**Size:**

100ug , Concentration: 1 mg/ml by Nanodrop;

**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

## Applications

**Tested Applications:**

WB, IF/ICC, Indirect ELISA

**Species Specificity:**

human, mouse

## 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 -80°C.

**Storage Buffer:**

PBS only, pH7.3

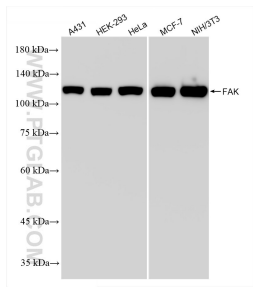
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

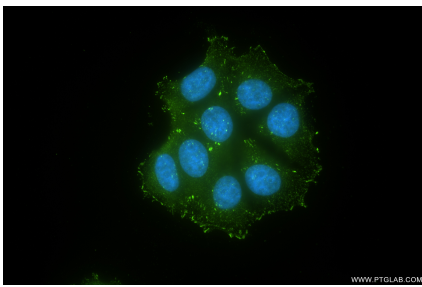
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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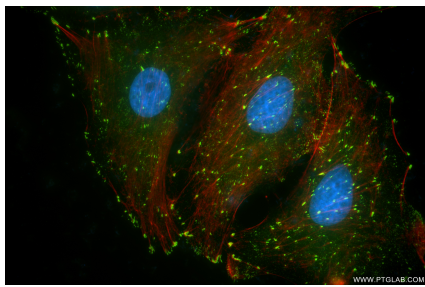
## Selected Validation Data



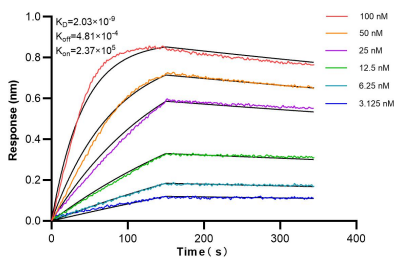
Various lysates were subjected to SDS PAGE followed by western blot with 81334-5-RR (FAK antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 81334-5-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 81334-5-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 81334-5-PBS in a different storage buffer formulation.



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