

For Research Use Only

# Phospho-FAK (Tyr397) Recombinant antibody, PBS Only

Catalog Number: 83933-1-PBS



## Basic Information

<b>Catalog Number:</b> 83933-1-PBS	<b>GenBank Accession Number:</b> BC028733	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5747	<b>CloneNo.:</b> 240630F8
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q05397	
<b>Isotype:</b> IgG	<b>Full Name:</b> PTK2 protein tyrosine kinase 2	
	<b>Calculated MW:</b> 1052 aa, 119 kDa	
	<b>Observed MW:</b> 110 kDa	

## Applications

**Tested Applications:**  
WB, IF/ICC, ELISA

**Species Specificity:**  
human

## 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). This protein has some isoforms produced by alternative promoter usage and alternative splicing, and the range of the molecular weights are 100-120 kDa and 40-60 kDa.

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

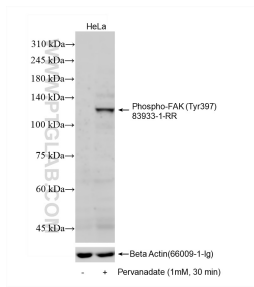
For technical support and original validation data for this product please contact:

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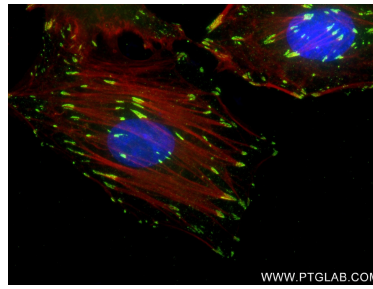
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## Selected Validation Data



Non-treated and pervanadate treated HeLa cells were subjected to SDS PAGE followed by western blot with 83933-1-RR (Phospho-FAK (Tyr397) antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Beta Actin (66009-1-Ig) antibody as a loading control. This data was developed using the same antibody clone with 83933-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed A549 cells using Phospho-FAK (Tyr397) antibody (83933-1-RR, Clone: 240630F8) at dilution of 1:250 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 83933-1-PBS in a different storage buffer formulation.