

For Research Use Only

Phospho-FAK (Tyr397) Recombinant antibody

Catalog Number: 83933-1-RR

2 Publications



Basic Information

Catalog Number: 83933-1-RR	GenBank Accession Number: BC028733	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 5747	CloneNo.: 240630F8
Source: Rabbit	UNIPROT ID: Q05397	Recommended Dilutions: WB 1:500-1:2000 IF/ICC 1:125-1:500
Isotype: IgG	Full Name: PTK2 protein tyrosine kinase 2	
	Calculated MW: 1052 aa, 119 kDa	
	Observed MW: 110 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls: WB : pervanadate treated HeLa cells, IF/ICC : A549 cells,
Cited Applications: WB	
Species Specificity: human	
Cited Species: 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Jie Yuan	39817673	IUBMB Life	WB
Rong-Hong Zhang	39577230	Eur J Med Chem	WB

Storage

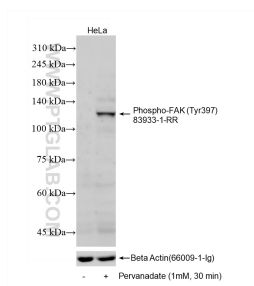
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

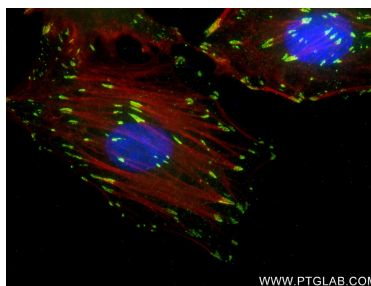
For technical support and original validation data for this product please contact:
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Selected Validation Data



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.



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).