

For Research Use Only

Phospho-FAK (Tyr397) Recombinant antibody

Catalog Number: 83933-1-RR

2 Publications



Basic Information

Catalog Number:

83933-1-RR

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

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.:

240630F8

Recommended Dilutions:

WB 1:500-1:2000

IF/ICC 1:125-1:500

Applications

Tested Applications:

WB, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : pervanadate treated HeLa cells,

IF/ICC : 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). 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

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

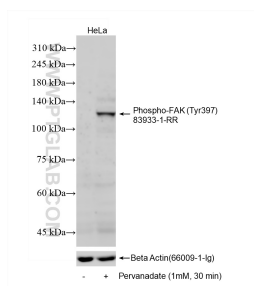
T: 4006900926

E: Proteintech-CN@ptglab.com

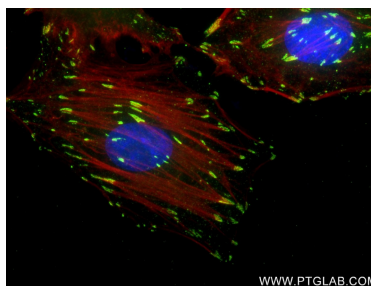
W: ptgcn.com

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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).