

For Research Use Only

FAK Recombinant antibody, PBS Only

Catalog Number: 81334-5-PBS



Basic Information

Catalog Number:

81334-5-PBS

Concentration:

1 mg/ml

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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

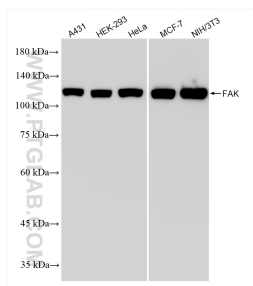
T: 4006900926

E: Proteintech-CN@ptglab.com

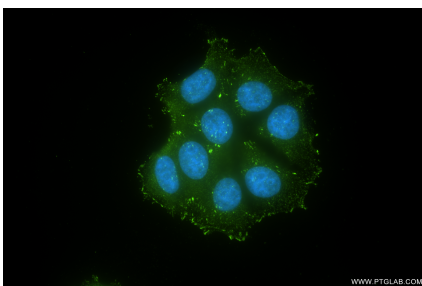
W: ptgcn.com

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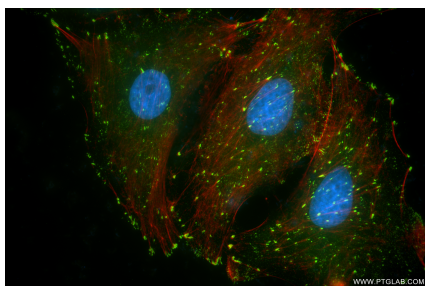
Selected Validation Data



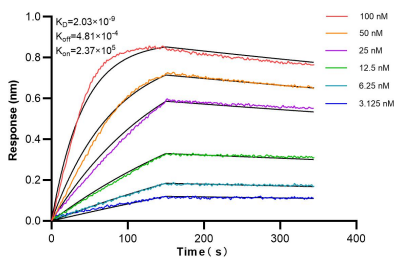
Various lysates were subjected to SDS PAGE followed by western blot with 81334-5-RR (FAK antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 81334-5-PBS in a different storage buffer formulation.



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.