

For Research Use Only

# FAK Polyclonal antibody, PBS Only

Catalog Number: 12636-1-PBS

Featured Product



## Basic Information

Catalog Number:

12636-1-PBS

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:

Antigen affinity purification

## Applications

Tested Applications:

WB, IHC, IF/ICC, IP, Indirect ELISA

Species Specificity:

human, mouse, rat

## 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 100-120kD and 40-60kD.

## 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:

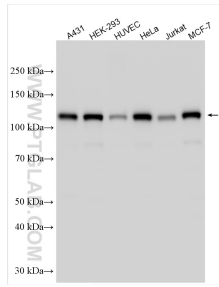
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

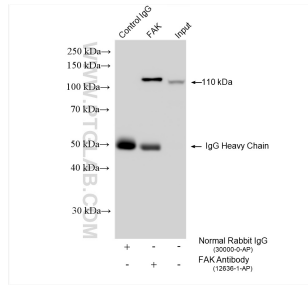
W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

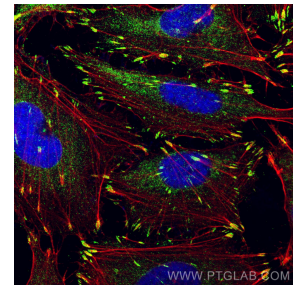
## Selected Validation Data



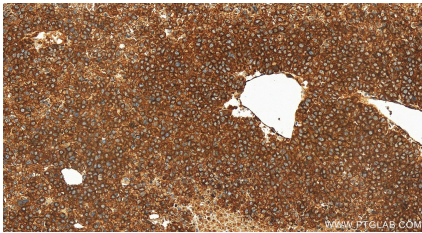
Various lysates were subjected to SDS PAGE followed by western blot with 12636-1-AP (FAK antibody) at dilution of 1:70000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 12636-1-PBS in a different storage buffer formulation.



IP result of anti-FAK (IP:12636-1-AP, 4ug; Detection:12636-1-AP 1:30000) with HeLa cells lysate 1600 ug. This data was developed using the same antibody clone with 12636-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed HUVEC cells using FAK antibody (12636-1-AP) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CoraLite®594 Beta Actin antibody (CL594-66009, Clone: 2D4H5, red). This data was developed using the same antibody clone with 12636-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded Hepatocellular carcinoma tissue slide using 12636-1-AP (FAK antibody) at dilution of 1:600 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 12636-1-PBS in a different storage buffer formulation.