

For Research Use Only

FAK Polyclonal antibody, PBS Only

Catalog Number: 12636-1-PBS

Featured Product



Basic Information

Catalog Number:

12636-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

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.

Storage Buffer:

PBS only, pH7.3

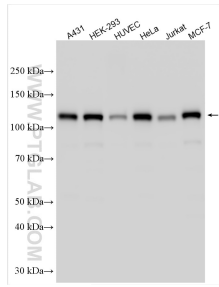
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

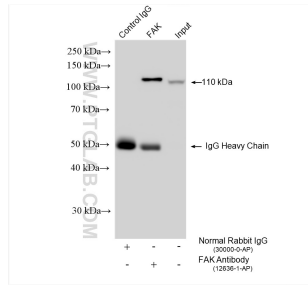
E: proteintech@ptglab.com
W: ptglab.com

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

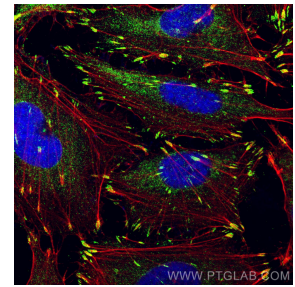
Selected Validation Data



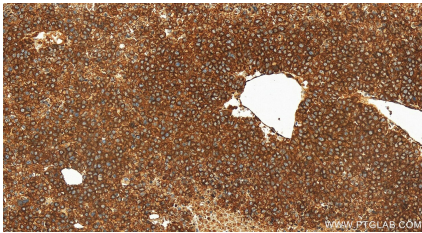
Various lysates were subjected to SDS PAGE followed by western blot with 12636-1-AP (FAK antibody) at dilution of 1:70000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 12636-1-PBS in a different storage buffer formulation.



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.