

For Research Use Only

FAK Polyclonal antibody

Catalog Number: 12636-1-AP

Featured Product

36 Publications



Basic Information

Catalog Number:

12636-1-AP

Size:

150UL, Concentration: 533 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3331

GenBank Accession Number:

BC028733

GeneID (NCBI):

5747

Full Name:

PTK2 protein tyrosine kinase 2

Calculated MW:

1052 aa, 119 kDa

Observed MW:

110 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for IP and 1:1000-1:4000 for WB

IHC 1:20-1:200

IF 1:20-1:200

Applications

Tested Applications:

IF, IHC, IP, WB, ELISA

Cited Applications:

IF, IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: MCF7 cells, A431 cells, HEK-293 cells, HeLa cells, Jurkat cells, MCF-7 cells, NIH/3T3 cells

IP: mouse brain tissue,

IHC: human gliomas tissue, human breast cancer tissue

IF: HeLa 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 100-120kD and 40-60kD.

Notable Publications

Author	Pubmed ID	Journal	Application
Yinhang Wang	31570694	Cell Death Dis	WB
Jing Zhao	32986180	Biotechnol Lett	WB
Lianhong Yin	29033837	Front Pharmacol	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

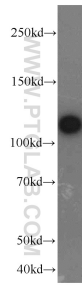
For technical support and original validation data for this product please contact:

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

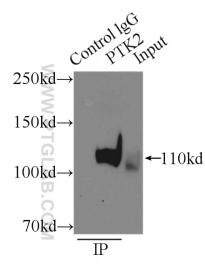
E: proteintech@ptglab.com
W: ptglab.com

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

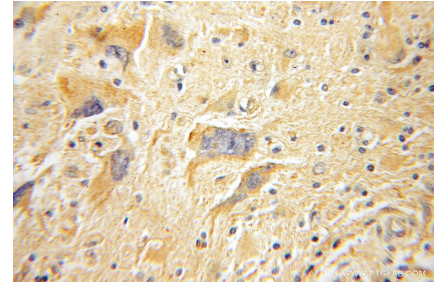
Selected Validation Data



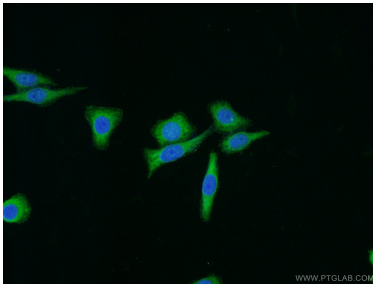
MCF7 cells were subjected to SDS PAGE followed by western blot with 12636-1-AP (FAK antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



IP Result of anti-FAK (IP:12636-1-AP, 3ug; Detection:12636-1-AP 1:2000) with mouse brain tissue lysate 8000ug.



Immunohistochemical analysis of paraffin-embedded human gliomas using 12636-1-AP (FAK antibody) at dilution of 1:100 (under 10x lens).



Immunofluorescent analysis of (-20 Ethanol) fixed HeLa cells using 12636-1-AP (FAK antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).