

## FAK Polyclonal Antibody

Catalog number: 12636-1-AP

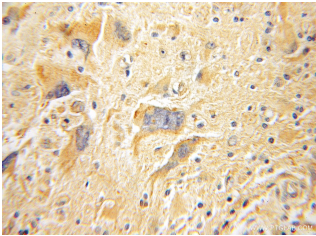
Size: 80 µg/150 µl

Source: Rabbit

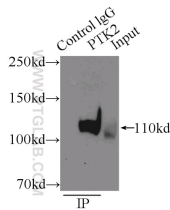
Isotype: IgG

Synonyms:

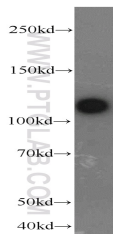
PTK2; FADK, FADK 1, FAK, FAK1, Focal adhesion kinase 1, pp125FAK, Protein tyrosine kinase 2, PTK2, PTK2 protein tyrosine kinase 2



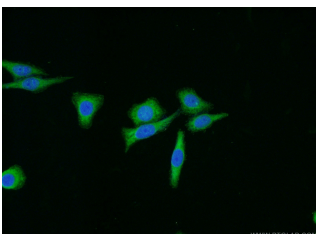
Immunohistochemical of paraffin-embedded human gliomas using 12636-1-AP (FAK antibody) at dilution of 1:100 (under 10x lens)



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



MCF7 cells were subjected to SDS PAGE followed by western blot with 12636-1-AP (FAK antibody) at dilution of 1:2000



### Background

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 6 isoforms produced by alternative promoter usage and alternative splicing.

### Applications

Tested applications:	ELISA, IHC, IP, WB, IF
Cited applications:	IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human, mouse, rat
Calculated FAK MW:	1052aa, 119 kDa
Observed FAK MW:	110 kDa
Positive WB detected in	MCF7 cells, A431 cells, HEK-293 cells, HeLa cells, Jurkat cells, NIH/3T3 cells
Positive IP detected in	Mouse brain tissue
Positive IHC detected in	Human gliomas tissue
Positive IF detected in	HeLa cells
Recommended dilution:	WB: 1:500-1:5000 IP: 1:1000-1:10000 IHC: 1:20-1:200 IF: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag3331
GenBank accession number:	BC028733
Gene ID (NCBI):	5747
Full name:	PTK2 protein tyrosine kinase 2

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

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)