

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 66258-1-Ig	<b>GenBank-Zugangsnummer:</b> BC028733	<b>Reinigungsmethode:</b> Protein-A-Reinigung
<b>Größe:</b> 150ul, Konzentration: 2592 µg/ml von 5747 Nanodrop und 1427 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> 5747	<b>CloneNo.:</b> 2C5B9
<b>Wirt:</b> Maus	<b>Vollständiger Name:</b> PTK2 protein tyrosine kinase 2	<b>Empfohlene Verdünnungen:</b> WB 1:2000-1:10000 IHC 1:50-1:500 IF 1:200-1:800
<b>Isotyp:</b> IgG2c	<b>Berechnete Masse:</b> 1052 aa, 119 kDa	
<b>Immunogen Katalognummer:</b> AG17966	<b>Beobachtete Masse:</b> 110 kDa	

## Anwendungen

## Geprüfte Anwendungen:

IF, IHC, WB, ELISA

## In Publikationen genannte Anwendungen:

IF, IP, WB

## Getestete Reaktivität:

Human, Maus, Ratte

## Zitierte Arten:

Human, Maus, Ratte

**Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

## Positivkontrollen:

**WB:** HCT 116-Zellen, HeLa-Zellen, HepG2-Zellen, humanes Hodengewebe, Jurkat-Zellen, K-562-Zellen, MCF-7-Zellen, NIH/3T3-Zellen, RAW 264.7-Zellen, ROS1728-Zellen

**IHC:** humanes Mammakarzinomgewebe,

**IF:** HUVEC-Zellen, A549-Zellen

## Hintergrundinformationen

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.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Jiao Wu	34517345	Aging (Albany NY)	WB
Olga Alekhina	27789711	J Biol Chem	WB
Andreas Ritter	31640218	Cells	IF

## Lagerung

## Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

## Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

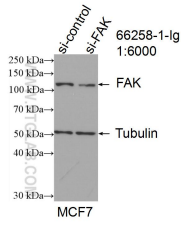
For technical support and original validation data for this product please contact:

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

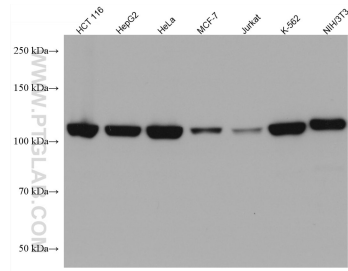
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

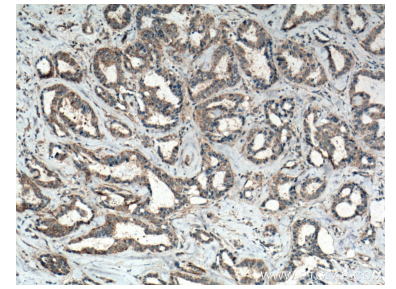
## Ausgewählte Validierungsdaten



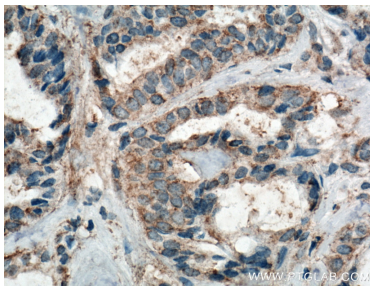
WB result of FAK antibody (66258-1-Ig; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-FAK transfected MCF-7 cells.



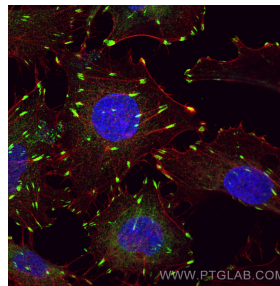
Various lysates were subjected to SDS PAGE followed by western blot with 66258-1-Ig (FAK antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66258-1-Ig (FAK antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66258-1-Ig (FAK antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HUVEC cells using FAK antibody (66258-1-Ig, Clone: 2C5B9 ) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).