

For Research Use Only

FAK Monoclonal antibody, PBS Only

Catalog Number: 66258-1-PBS

Featured Product



Basic Information

Catalog Number: 66258-1-PBS	GenBank Accession Number: BC028733	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 5747	CloneNo.: 2C5B9
Source: Mouse	UNIPROT ID: Q05397	
Isotype: IgG2c	Full Name: PTK2 protein tyrosine kinase 2	
Immunogen Catalog Number: AG17966	Calculated MW: 1052 aa, 119 kDa	
	Observed MW: 110 kDa	

Applications

Tested Applications:
WB, Indirect ELISA, IHC, IF

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

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

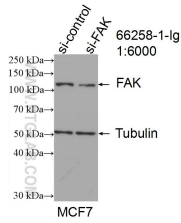
T: 4006900926

E: Proteintech-CN@ptglab.com

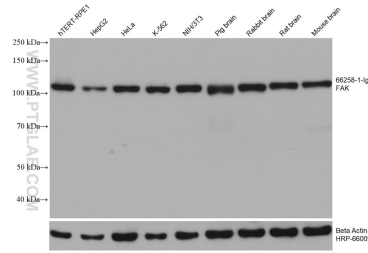
W: ptgcn.com

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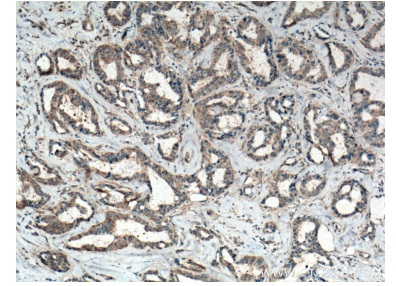
Selected Validation Data



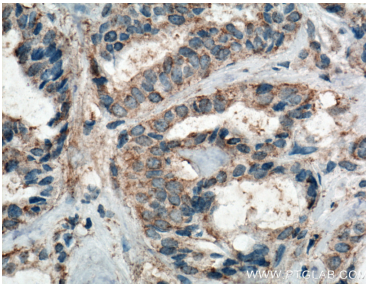
WB result of FAK antibody (66258-1-Ig; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-FAK transfected MCF-7 cells. This data was developed using the same antibody clone with 66258-1-PBS in a different storage buffer formulation.



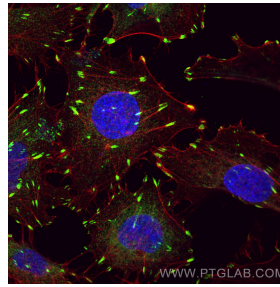
Various lysates were subjected to SDS PAGE followed by western blot with 66258-1-Ig (FAK antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control. This data was developed using the same antibody clone with 66258-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66258-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66258-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66258-1-PBS in a different storage buffer formulation.