

## FAK Rabbit mAb

Catalog No: #48643

Package Size: #48643-1 50ul #48643-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

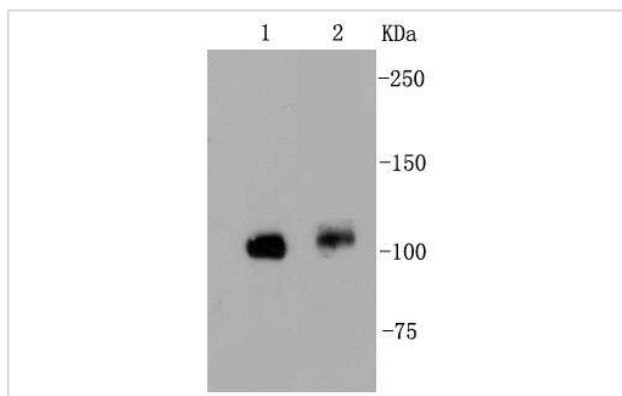
## Description

Product Name	FAK Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SR46-04
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	FADK 1 antibody FADK antibody FAK related non kinase polypeptide antibody FAK1 antibody FAK1_HUMAN antibody Focal adhesion kinase 1 antibody Focal adhesion Kinase antibody Focal adhesion kinase isoform FAK Del33 antibody Focal adhesion kinase related nonkinase antibody FRNK antibody p125FAK antibody pp125FAK antibody PPP1R71 antibody Protein phosphatase 1 regulatory subunit 71 antibody Protein tyrosine kinase 2 antibody Protein-tyrosine kinase 2 antibody Ptk2 antibody PTK2 protein tyrosine kinase 2 antibody
Accession No.	Swiss-Prot#:Q05397
Uniprot	Q05397
GeneID	5747;
Calculated MW	119 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

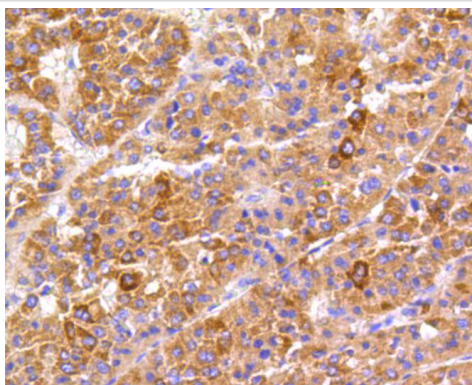
## Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200FC: 1:50-1:100

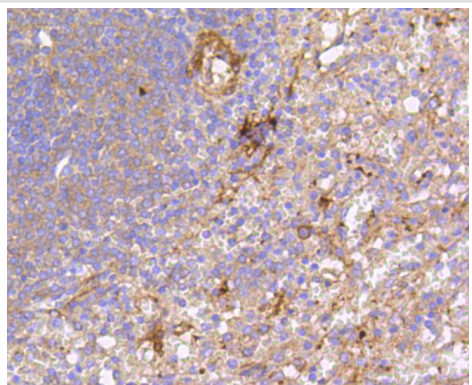
## Images



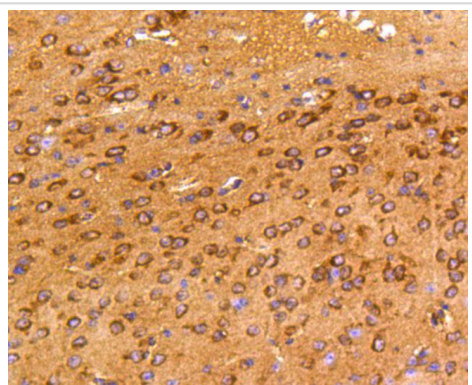
Western blot analysis of FAK on different lysates using anti-FAK antibody at 1/1,000 dilution. Positive control:  
Lane 1: Hela  
Lane 2: Mouse spleen



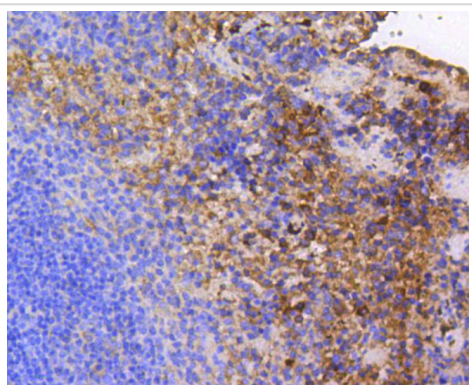
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-FAK antibody. Counter stained with hematoxylin.



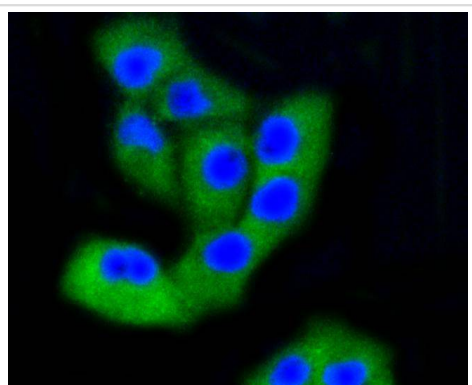
Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-FAK antibody. Counter stained with hematoxylin.



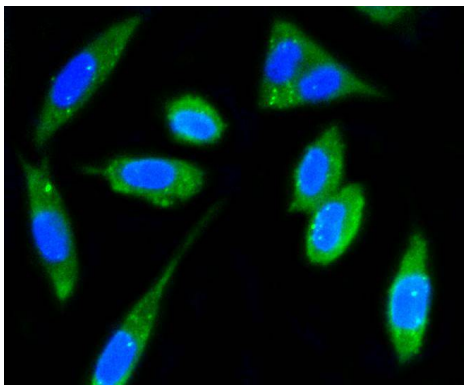
Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-FAK antibody. Counter stained with hematoxylin.



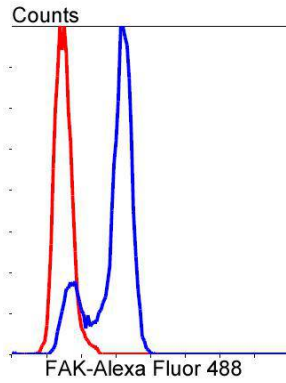
Immunohistochemical analysis of paraffin-embedded mouse spleen tissue using anti-FAK antibody. Counter stained with hematoxylin.



ICC staining FAK in PANC-1 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining FAK in SH-SY-5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of Hela cells with FAK antibody at 1/50 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody

## Background

Focal adhesion kinase was initially identified as a major substrate for the intrinsic protein tyrosine kinase activity of Src encoded pp60. The deduced amino acid sequence of FAK p125 has shown it to be a cytoplasmic protein tyrosine kinase whose sequence and structural organization are unique as compared to other proteins described to date. Localization of p125 by immunofluorescence suggests that it is primarily found in cellular focal adhesions leading to its designation as focal adhesion kinase (FAK). FAK is concentrated at the basal edge of only those basal keratinocytes that are actively migrating and rapidly proliferating in repairing burn wounds and is activated and localized to the focal adhesions of spreading keratinocytes in culture. Thus, it has been postulated that FAK may have an important *in vivo* role in the reepithelialization of human wounds. FAK protein tyrosine kinase activity has also been shown to increase in cells stimulated to grow by use of mitogenic neuropeptides or neurotransmitters acting through G protein coupled receptors.

## References

Note: This product is for *in vitro* research use only