

FAK (Phospho-Ser 722) Antibody

Catalog No: #13327



Package Size: #13327-1 50ul #13327-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

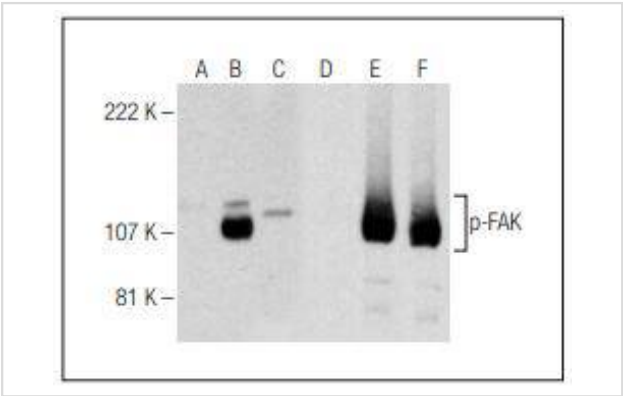
Description

Product Name	FAK (Phospho-Ser 722) Antibody
Host Species	Mouse
Clone No.	4G1
Purification	ProA affinity purified
Applications	WB, IP, IF, IHC(P)
Species Reactivity	Human;Mouse;Rat
Immunogen Description	peptide
Conjugates	Unconjugated
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
Calculated MW	125 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at 4°C

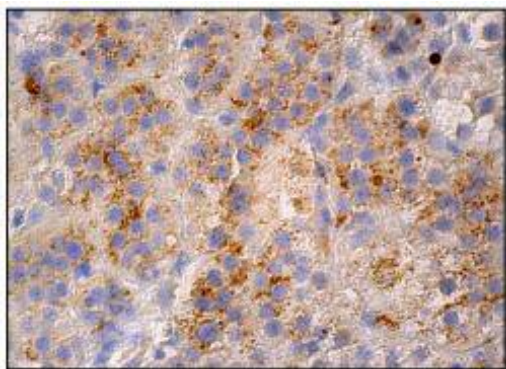
Application Details

WB: 1:100-1:1,000
IHC: 1:50-1:500
IP: 1-2 μg per 100-500 μg of total protein(1 ml of cell lysate)

Images



A. Western blot analysis of FAK phosphorylation in non-transfected:(A,D), untreated human FAK transfected:(B,E) and lambda protein phosphatase treated human FAK transfected:(C,F) 293T whole cell lysates. Antibodies tested include p-FAK (A-12):(A,B,C) and FAK (C-903):(D,E,F).



B.Immunoperoxidase staining of formalin fixed, paraffin-embedded human adrenal gland tissue showing cytoplasmic staining of glandular cells.

Background

Activation of integrins in the extracellular matrix (ECM) of eukaryotic cells promotes the formation of membrane adhesion complexes, known as focal adhesions, which can include cytoskeletal proteins and protein tyrosine kinases, such as focal adhesion kinase (FAK). Phosphorylation events occurring within focal adhesions influence numerous processes that include mitogenic signaling, cell survival and cell motility. FAK is a non-receptor tyrosine kinase that is ubiquitously expressed and highly conserved between species. FAK is recruited by integrin clusters and variably phosphorylated depending on the effector molecules present in the focal adhesion. Phosphorylation of FAK Tyr 397 decreases during serum starvation, contact inhibition and cell cycle arrest, all conditions under which activating FAK Tyr 407 phosphorylation increases.

References

1. Schaller, M.D., et al. 1994. Autophosphorylation of the focal adhesion-associated protein tyrosine kinase, pp 125 FAK, directs SH2-dependent binding of pp60src. Mol. Cell. Biol. 14: 1680-1688.
2. Schlaepfer, D.D., et al. 1996. Evidence for in vivo phosphorylation of the GRB2 SH2-domain binding site on focal adhesion kinase by Src-family protein-tyrosine kinases. Mol. Cell. Biol. 16: 5623-5633.

Published Papers

Byun Youngro;Hwang Hae Hyun;Jeong Hee Jeong;Kim Sung Wan;Lee Dong Yun;Okano Teruo;Yun Sangwu et al., Anticancer Effect of Heparin-Taurocholate Conjugate on Orthotopically Induced Exocrine and Endocrine Pancreatic Cancer, , (2021)

[PMID:34830928](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.