

Product Name: FAK (Phospho-Ser 722) Mouse Monoclonal Antibody**Catalog #: AMM86146**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,IP
Reactivity	Human, Mouse, Rat
Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in TBS with 0.05% sodium azide,1%protective protein and 50% glycerol.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:50-1:500,IP 1:20-1:50
Molecular Weight	125kDa

Antigen Information

Gene Name	FAK (Phospho-Ser 722)
Alternative Names	FADK 1 antibody</br> FADK antibody</br> FAK related non kinase polypeptide antibody</br> FAK1 antibody</br> FAK1_HUMAN antibody</br> Focal adhesion kinase 1 antibody</br> Focal adhesion Kinase antibody</br> Focal adhesion kinase isoform FAK Del33 antibody</br> Focal adhesion kinase related nonkinase antibody</br> FRNK antibody</br> p125FAK antibody</br> pp125FAK antibody</br> PPP1R71 antibody</br> Protein phosphatase 1 regulatory subunit 71 antibody</br> Protein tyrosine kinase 2 antibody</br> Protein-tyrosine kinase 2 antibody</br> Ptk2 antibody</br> PTK2 protein tyrosine kinase 2 antibody</br>
Gene ID	5747;

SwissProt ID	Q05397
Immunogen	peptide

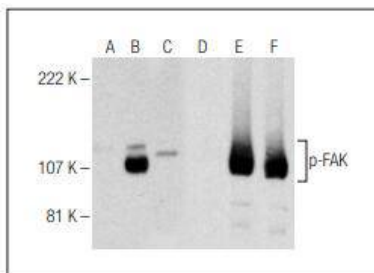
Background

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.

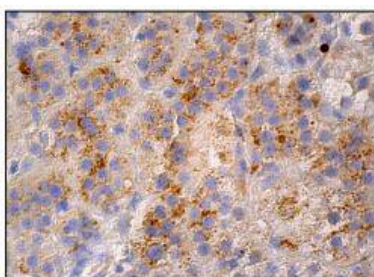
Research Area

PI3K-Akt signaling pathway

Image Data



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.