Product Name: **FAK Mouse Monoclonal Antibody**
Catalog #: **AMM80852**
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	ICC,ELISA,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
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	PBS containing 0.03% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	119kDa

Antigen Information

Gene Name	FAK
Alternative Names	FAK; FADK; FAK1; FRNK; pp125FAK; PTK2
Gene ID	5747.0
SwissProt ID	Q05397
Immunogen	Purified recombinant fragment of human FAK expressed in E. Coli.

Background

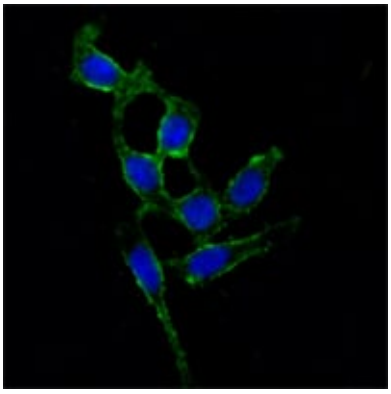
This gene encodes a cytoplasmic protein tyrosine kinase which is found concentrated in the focal adhesions that form between cells growing in the presence of extracellular matrix constituents. The encoded protein is a member of the FAK subfamily of protein tyrosine kinases but lacks significant sequence similarity to kinases from other subfamilies. Activation of this gene may

be an important early step in cell growth and intracellular signal transduction pathways triggered in response to certain neural peptides or to cell interactions with the extracellular matrix. At least four transcript variants encoding four different isoforms have been found for this gene, but the full-length natures of only two of them have been determined. Tissue specificity: Expressed in all organs tested, in lymphoid cell lines, but most abundantly in brain.RD: Focal adhesion kinase 1 (FAK) is a ubiquitously expressed non-receptor protein tyrosine kinase that is concentrated in the focal adhesions that form between cells growing in the presence of extracellular matrix constituents. This cellular localization is directed by a

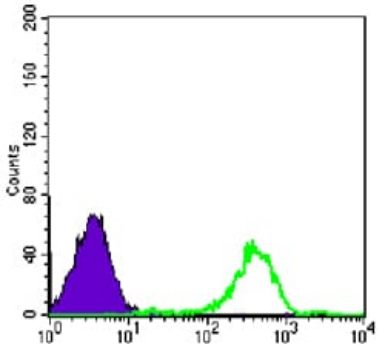
Research Area

PI3K-Akt signaling pathway

Image Data



Immunofluorescence analysis of A549 cells using FAK mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.



Flow cytometric analysis of Raji cells using FAK mouse mAb (green) and negative control (purple).