
Product Name: FAK Mouse Monoclonal Antibody**Catalog #: AMM80802**

For research use only.

Summary

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|----------------------|---|
| Description | Mouse monoclonal Antibody |
| Host | Mouse |
| Application | WB,IHC,ICC,ELISA |
| Reactivity | Human,Mouse |
| 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 | Purified antibody in PBS with 0.05% sodium azide. |
| Purification | Affinity Purification |

Application

| | |
|-------------------------|--|
| Dilution Ratio | WB 1:500-1:2000,IHC 1:200-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000 |
| Molecular Weight | 119kDa |

Antigen Information

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|--------------------------|--|
| 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

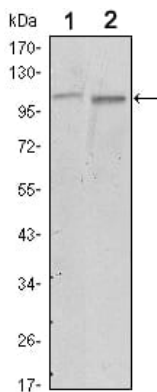
This gene encodes a cytoplasmic protein tyrosine kinase which is found concentrated in the focal adhesions that form between cells growing in the presence of extracellular matrix constituents. The encoded protein is a member of the FAK subfamily of protein tyrosine kinases but lacks significant sequence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

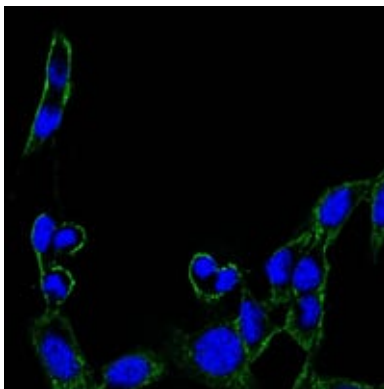
Research Area

PI3K-Akt signaling pathway

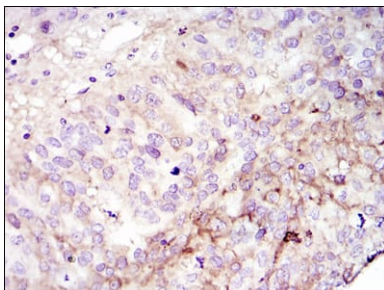
Image Data



Western blot analysis using FAK mouse mAb against A549 (1) and NIH/3T3 (2) cell lysate.



Immunofluorescence analysis of B16 cells using FAK mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.



Immunohistochemical analysis of paraffin-embedded human cervix tumour using FAK mouse mAb with DAB staining