

## FAK monoclonal antibody

Catalog: MB21286

Host: Mouse

Reactivity: Human, Mouse

### 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

### Product:

Purified antibody in PBS with 0.05% sodium azide.

### Molecular Weight:

119kDa

### Swiss-Prot:

Q05397

### Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB:1/500 - 1/2000 IHC:1/200 - 1/1000 IF:1/200 - 1/1000

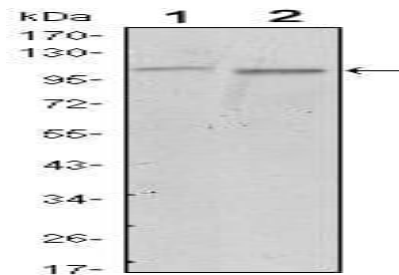
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

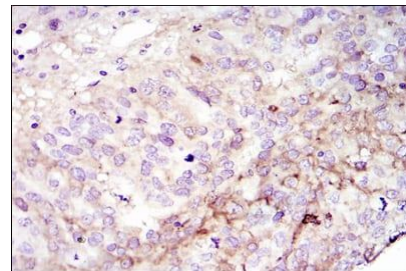
### Isotype:

Mouse IgG1

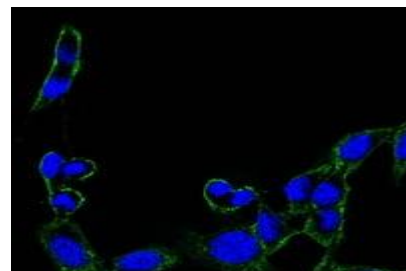
### DATA:



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



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



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

### Note:

For research use only, not for use in diagnostic procedure.

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## PRODUCT DATA SHEET

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