

# Anti-FAK (Tyr-397), Phosphospecific Antibody

Catalog # AN1790

Specification

## Anti-FAK (Tyr-397), Phosphospecific Antibody - Product Information

Primary Accession Reactivity Host Clonality Isotype Calculated MW

005397 Bovine, Chicken Mouse Mouse Monoclonal IgG1 119233

### Anti-FAK (Tyr-397), Phosphospecific Antibody - Additional Information

Gene ID Other Names PTK2 5747

#### Target/Specificity

Focal adhesion kinase (FAK) is a widely expressed cytoplasmic protein tyrosine kinase involved in signal transduction pathways important for cell spreading, migration and survival. Activation of FAK by integrin clustering leads to autophosphorylation at Tyr-397, which is a binding site for Src family kinases, PI3-Kinase, and PLCγ. The recruitment of Src family kinases results in the phosphorylation of tyrosine 407, 576, and 577 in the catalytic domain, and tyrosine 871 and 925 in the carboxy-terminal region of FAK. Thus, the phosphorylation of Tyr-397 is a critical step in the activation of FAK.

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Precautions

Anti-FAK (Tyr-397), Phosphospecific Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping Blue Ice

#### Anti-FAK (Tyr-397), Phosphospecific Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation



Flow Cytomety

<u>Cell Culture</u>

Anti-FAK (Tyr-397), Phosphospecific Antibody - Images



Western blot analysis of HUVECs untreated (lanes 1 & 3) or treated with alkaline phosphatase (lanes 2 & 4). Blots were probed with mouse monoclonal anti-FAK (lanes 1 & 2) and anti-FAK (Tyr-397) (lanes 3 & 4).

### Anti-FAK (Tyr-397), Phosphospecific Antibody - Background

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