#9330 Store at -20°C

# FAK Antibody Sampler Kit

1 Kit (4 x 20 microliters)

Cell Signaling TECHNOLOGY®

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**For Research Use Only. Not for Use in Diagnostic Procedures.**

| Product Includes | Product # | Quantity | Mol. Wt | Isotype/Source |
|---|---|---|---|---|
| Phospho-FAK (Tyr576/577) Antibody | 3281 | 20 µl | 125 kDa | Rabbit |
| Phospho-FAK (Tyr925) Antibody | 3284 | 20 µl | 125 kDa | Rabbit |
| Phospho-FAK (Tyr397) (D20B1) Rabbit mAb | 8556 | 20 µl | 125 kDa | Rabbit IgG |
| FAK (D2R2E) Rabbit mAb | 13009 | 20 µl | 125 kDa | Rabbit IgG |
| Anti-rabbit IgG, HRP-linked Antibody | 7074 | 100 µl | | Goat |

Please visit cellsignal.com for individual component applications, species cross-reactivity, dilutions, protocols, and additional product information.

## Description

The FAK Antibody Sampler Kit provides an economical means of evaluating total FAK protein levels as well as FAK phosphorylated at specific sites. The kit contains enough primary and secondary antibody to perform two western blots with each antibody.

## Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.

## Background

Focal adhesion kinase (FAK) is a widely expressed cytoplasmic protein tyrosine kinase involved in integrin-mediated signal transduction. It plays an important role in the control of several biological processes, including cell spreading, migration, and survival (1). Activation of FAK by integrin clustering leads to autophosphorylation at Tyr397, which is a binding site for the Src family kinases PI3K and PLCγ (2-5). Recruitment of Src family kinases results in the phosphorylation of Tyr407, Tyr576, and Tyr577 in the catalytic domain, and Tyr871 and Tyr925 in the carboxy-terminal region of FAK (6,7).

## Background References

1. Parsons, J.T. et al. (2000) *Oncogene* 19, 5606-13.
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6. Calalb, M.B. et al. (1995) *Mol Cell Biol* 15, 954-63.
7. Schlaepfer, D.D. et al. (1994) *Nature* 372, 786-791.

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