

# Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](https://fdi-lab.sci-crunch.org) on Apr 24, 2025

## FAK Antibody

RRID:AB\_2269034

Type: Antibody

---

### Proper Citation

(Cell Signaling Technology Cat# 3285, RRID:AB\_2269034)

---

### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_2269034](http://antibodyregistry.org/AB_2269034)

**Proper Citation:** (Cell Signaling Technology Cat# 3285, RRID:AB\_2269034)

**Target Antigen:** FAK

**Clonality:** unknown

**Comments:** Applications: W, IP, IHC-P. Consolidation on 11/2018: AB\_10694068, AB\_10829239, AB\_2269034.

Info: Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:FALSE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE

**Antibody Name:** FAK Antibody

**Description:** This unknown targets FAK

**Target Organism:** rat, mouse, human

**Antibody ID:** AB\_2269034

**Vendor:** Cell Signaling Technology

**Catalog Number:** 3285

**Record Creation Time:** 20231110T044927+0000

**Record Last Update:** 20241115T032809+0000

---

## Ratings and Alerts

- Independent validation by the NYU Langone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:FALSE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE - NYU Langone's Center for Biospecimen Research and Development  
<https://med.nyu.edu/research/scientific-cores-shared-resources/center-biospecimen-research-development>

No alerts have been found for FAK Antibody.

---

## Data and Source Information

**Source:** [Antibody Registry](#)

---

## Usage and Citation Metrics

We found 83 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch.org](#).

Benwell CJ, et al. (2024) A proteomics approach to isolating neuropilin-dependent  $\beta$ 5 integrin trafficking pathways: neuropilin 1 and 2 co-traffic  $\beta$ 5 integrin through endosomal p120RasGAP to promote polarised fibronectin fibrillogenesis in endothelial cells. *Communications biology*, 7(1), 629.

Balcioglu O, et al. (2024) Mcam stabilizes a luminal progenitor-like breast cancer cell state via Ck2 control and Src/Akt/Stat3 attenuation. *NPJ breast cancer*, 10(1), 80.

Cerutti C, et al. (2024) IQGAP1 and NWASP promote human cancer cell dissemination and metastasis by regulating  $\beta$ 1-integrin via FAK and MRTF/SRF. *Cell reports*, 43(4), 113989.

libushi J, et al. (2024) ATG9B regulates bacterial internalization via actin rearrangement. *iScience*, 27(5), 109623.

Bolamperti S, et al. (2024) Tgif1-deficiency impairs cytoskeletal architecture in osteoblasts by activating PAK3 signaling. *eLife*, 13.

Knowles LM, et al. (2024) Clotting Promotes Glioma Growth and Infiltration Through Activation of Focal Adhesion Kinase. *Cancer research communications*, 4(12), 3124.

Hanes CM, et al. (2024) A C-terminal motif containing a PKC phosphorylation site regulates  $\beta$ -Protocadherin-mediated dendrite arborization in the cerebral cortex in vivo. *Developmental neurobiology*, 84(3), 217.

Gupta R, et al. (2024) Atypical cellular responses mediated by intracellular constitutive active TrkB (NTRK2) kinase domains and a solely intracellular NTRK2-fusion oncogene. *Cancer*

gene therapy, 31(9), 1357.

Pifer PM, et al. (2024) FAK Drives Resistance to Therapy in HPV-Negative Head and Neck Cancer in a p53-Dependent Manner. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 30(1), 187.

Zhao Y, et al. (2024) Mechanochemical coupling of MGF mediates periodontal regeneration. *Bioengineering & translational medicine*, 9(1), e10603.

Akhter MZ, et al. (2024) FAK regulates tension transmission to the nucleus and endothelial transcriptome independent of kinase activity. *Cell reports*, 43(6), 114297.

Cetin M, et al. (2024) A highly potent bi-thiazole inhibitor of LOX rewires collagen architecture and enhances chemoresponse in triple-negative breast cancer. *Cell chemical biology*.

Jia C, et al. (2024) Astrocyte focal adhesion kinase reduces passive stress coping by inhibiting ciliary neurotrophic factor only in female mice. *Neurobiology of stress*, 30, 100621.

Glotzbach K, et al. (2024) Substrate-bound and soluble domains of tenascin-C regulate differentiation, proliferation and migration of neural stem and progenitor cells. *Frontiers in cellular neuroscience*, 18, 1357499.

Wu HM, et al. (2024) Kisspeptin Regulates Cell Invasion and Migration in Endometrial Cancer. *Journal of the Endocrine Society*, 8(3), bvae001.

DeTemple VK, et al. (2024) Anti-tumor effects of tirbanibulin in squamous cell carcinoma cells are mediated via disruption of tubulin-polymerization. *Archives of dermatological research*, 316(7), 341.

Xi C, et al. (2024) Repurposing homoharringtonine for thyroid cancer treatment through TIMP1/FAK/PI3K/AKT signaling pathway. *iScience*, 27(6), 109829.

Zuo Q, et al. (2023) Plexin-B3 expression stimulates MET signaling, breast cancer stem cell specification, and lung metastasis. *Cell reports*, 42(3), 112164.

Zhang Y, et al. (2023) FAK-mediated phosphorylation at Y464 regulates p85<sup>?</sup> nuclear translocation to promote tumorigenesis of ccRCC by repressing RB1 expression. *Cell reports*, 42(3), 112188.

Kim E, et al. (2023) Irisin reduces amyloid- $\beta$  by inducing the release of neprilysin from astrocytes following downregulation of ERK-STAT3 signaling. *Neuron*, 111(22), 3619.