

Resource Summary Report

Generated by [dkNET](#) on Aug 6, 2026

Phospho-FAK (Tyr397) (D20B1) Rabbit mAb

RRID:AB_10891442

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 8556, RRID:AB_10891442

Antibody Information

URL: http://antibodyregistry.org/AB_10891442

Proper Citation: Cell Signaling Technology Cat# 8556, RRID:AB_10891442

Target Antigen: Phospho-FAK (Tyr397) (D20B1) Rabbit mAb

Host Organism: rabbit

Clonality: monoclonal

Comments: Applications: W, IP

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: Phospho-FAK (Tyr397) (D20B1) Rabbit mAb

Description: This monoclonal targets Phospho-FAK (Tyr397) (D20B1) Rabbit mAb

Target Organism: rat, h, m, mouse, r, human, mk

Antibody ID: AB_10891442

Vendor: Cell Signaling Technology

Catalog Number: 8556

Record Creation Time: 20250819T233844+0000

Record Last Update: 20250820T055830+0000

Ratings and Alerts

- 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 - 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 Phospho-FAK (Tyr397) (D20B1) Rabbit mAb.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 64 mentions in open access literature.

Listed below are recent publications. The full list is available at [dkNET](#) .

Lee SH, et al. (2025) Dynamic decoding of VEGF signaling and coordinated control of multiple phenotypes by the Src-TEM4-YAP pathway. *Cell systems*, 16(7), 101321.

Gu Y, et al. (2025) Clioquinol inhibits angiogenesis by promoting VEGFR2 degradation and synergizes with AKT inhibition to suppress triple-negative breast cancer vascularization. *Angiogenesis*, 28(2), 13.

Zhang S, et al. (2025) Vitamin D Binding Protein, a Ligand of Integrin beta 1, Motivates Both Tumor Cells and Schwann Cells to Promote Perineural Invasion in Pancreatic Ductal Adenocarcinoma. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, e11726.

He D, et al. (2025) Chemotherapy awakens dormant cancer cells in lung by inducing neutrophil extracellular traps. *Cancer cell*, 43(9), 1622.

Sun Y, et al. (2025) CRB2 depletion induces YAP signaling and disrupts mechanosensing in podocytes. *American journal of physiology. Renal physiology*, 328(4), F578.

Lubosch A, et al. (2025) The immune response against cancer is modulated by stromal cell fibronectin. *Neoplasia (New York, N.Y.)*, 67, 101196.

Liu B, et al. (2025) The hexosamine biosynthetic pathway drives tumor immune evasion via translational control of PD-L1 at the elongation level. *Cell reports*, 44(9), 116249.

Lubrano S, et al. (2025) FAK inhibition combined with the RAF-MEK clamp avutometinib overcomes resistance to targeted and immune therapies in BRAF V600E melanoma. *Cancer cell*, 43(3), 428.

Matkar S, et al. (2025) Kinome Reprogramming of G2/M Kinases and Repression of MYCN Contribute to Superior Efficacy of Lorlatinib in ALK-Driven Neuroblastoma. *Molecular cancer therapeutics*, 24(9), 1389.

Kopietz F, et al. (2025) Focal Adhesion Kinase Orchestrates GLUT4 Translocation and Glucose Uptake via Cytoskeletal Turnover in Primary Adipocytes. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 39(10), e70660.

Pequerul R, et al. (2025) Inter- and intra-tumoral ALDH1 heterogeneity in breast cancer identifies therapeutic opportunities for ALDH1A-specific inhibitors. *Cell chemical biology*.

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

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.

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.

Northey JJ, et al. (2024) Mechanosensitive hormone signaling promotes mammary progenitor expansion and breast cancer risk. *Cell stem cell*, 31(1), 106.

Chen X, et al. (2024) Alarmin S100A8 imparts chemoresistance of esophageal cancer by reprogramming cancer-associated fibroblasts. *Cell reports. Medicine*, 5(6), 101576.

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

Zhang H, et al. (2024) The extracellular matrix integrates mitochondrial homeostasis. *Cell*, 187(16), 4289.

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