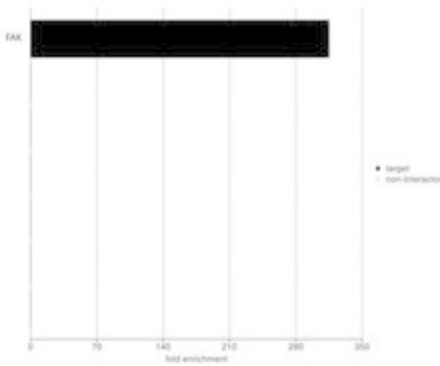


FAK Polyclonal Antibody

Product Details	
Size	500 µg
Species	Human, Mouse, Rat
Published Species	Artificial Control, Human, Mouse
Expression System	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant protein corresponding to amino acid residues 853-1052 from the C-terminal region of human FAK.
Form	Liquid
Purification	Protein A
Storage buffer	PBS, pH 7.3, with 0.2% BSA
Contains	0.1% sodium azide
Storage Conditions	-20°C
RRID	AB_2536313

Applications	Tested Dilution	Publications
Immunoprecipitation (IP)	Assay Dependent	1 Publication
Western Blot (WB)	Assay Dependent	19 Publications
Functional Assay (FN)	-	1 Publication
Immunocytochemistry (ICC)	-	3 Publications
Immunofluorescence (IF)	-	4 Publications
Miscellaneous PubMed (Misc)	-	1 Publication

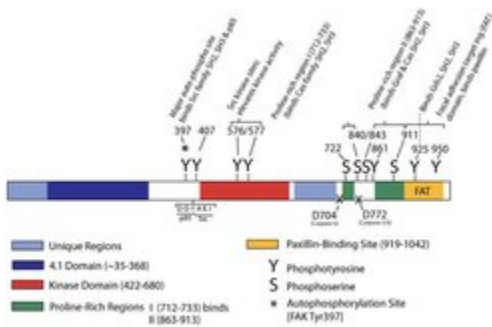
Advanced Verification Data



FAK Antibody (AHO0502)

IP-MS enrichment of FAK (LFQ intensity): FAK was enriched 315-fold from LNCAP lysate compared to background proteins, using the optimized IP-MS workflow with Pierce MS-Compatible Magnetic IP Kit protein A/G (Product # 90409) and FAK antibody (Product # AHO0502). See more information on IP-MS verification of antibody selectivity. IP-MS validation info.

Product Images For FAK Polyclonal Antibody



FAK Protein Schematic

FAK Antibody (AHO0502)

Focal Adhesion Kinase (FAK) Protein Schematic-Focal Adhesion Kinase (FAK) is a non-receptor protein tyrosine kinase discovered as a substrate for Src and as a key element of integrin signaling. FAK plays a central role in cell spreading, differentiation, migration, cell death and acceleration of the G1 to S phase transition of the cell cycle. FAK regulation includes phosphorylation at multiple tyrosine and serine residues. Phosphorylation of tyrosine generally is associated with positive regulation and growth promotion; however, dephosphorylation at these sites occurs as cells enter mitosis (M-Phase of the cell cycle). In contrast, serine phosphorylation either remains high or is increased as cells enter mitosis. (Product # 44-626G).

[View more figures on thermofisher.com](https://www.thermofisher.com)

Western Blot (19)

PloS one

Cell adhesion-induced transient interaction of ADAM15 with poly(A) binding protein at the cell membrane colocalizes with mRNA translation.

"AHO0502 was used in Western Blotting to study the regulatory role of ADAM15 on mRNA translation at the cell membrane, and potential implications under pathologic conditions of matrix remodelling associated with ADAM15 upregulation."

Authors: Böhm BB, Fehrl Y, Janczi T, Schneider N, Burkhardt H

Species
Human

Dilution
Not Cited

Year
2019

American journal of physiology. Renal physiology

Periostin overexpression in collecting ducts accelerates renal cyst growth and fibrosis in polycystic kidney disease.

"Published figure using FAK polyclonal antibody (Product # AHO0502) in Western Blot"

Authors: Raman A, Parnell SC, Zhang Y, Reif GA, Dai Y, Khanna A, Daniel E, White C, Vivian JL, Wallace DP

Species
Not Applicable

Dilution
Not Cited

Year
2018

[View more WB references on thermofisher.com](#)

Immunofluorescence (4)

Scientific reports

The microRNA-200/Zeb1 axis regulates ECM-dependent 1-integrin/FAK signaling, cancer cell invasion and metastasis through CRKL.

"Published figure using FAK polyclonal antibody (Product # AHO0502) in Immunofluorescence"

Authors: Ungewiss C, Rizvi ZH, Roybal JD, Peng DH, Gold KA, Shin DH, Creighton CJ, Gibbons DL

Species
Human
Not Applicable

Dilution
Not Cited
Not Cited

Year
2016

The Journal of biological chemistry

LKB1 represses focal adhesion kinase (FAK) signaling via a FAK-LKB1 complex to regulate FAK site maturation and directional persistence.

"AHO0502 was used in western blot to investigate how LKB regulates FAK."

Authors: Kline ER, Shupe J, Gilbert-Ross M, Zhou W, Marcus AI

Species
Human

Dilution
Not Cited

Year
2013

[View more IF references on thermofisher.com](#)

More applications with references on thermofisher.com

Misc (1) FN (1) ICC (3) IP (1)

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